



**Your Southeast Florida
Renner Distributor**



Product Catalog

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Hessler Paint & Ace Hardware is your distributor for the Italian manufacturer, Renner Coatings. As a world leader in urethane finishes, Renner offers a water based, green, high performance coating with a laquer like finish and productivity. Their products provide the high end, durable coatings made for the professional market, recommended for cabinet shops, professional paint contractors and all wood working trades.



- High End Italian Finish
- Water Based
- Environmentally Friendly
- Durable & Chemical Resistant
- Low Odor & Mildew Resistant



Order Today



Water Based technology

Renner Wood Coatings provide the most advanced technology in water based finishes selling products in more than 85 countries.

Our Aquaris line includes a full range of stains, sealers, glazes, topcoats, specialties as well as both clear and pigmented systems for interior and exterior use.

We offer Mono and Bi-Component products as well as industrial grade products such as water based UV (UV curing).

The high durability of our products combined with the low levels of VOC (Volatile Organic Compounds) make Renner products unique.

Our products are also well known for many other features such as:

- High Transparency
- Exceptional Sanding
- High Coverage
- User Friendly
- Great performance in different environments

With the Aquaris line we can offer a more eco-friendly solutions for every desired finish.

**Italian Technology
Made in USA**



Water-based products

Sustainable, technological and innovative

15 Reasons to green with Renner

1. Lower VOC and COV emissions
2. Lower waste disposal cost
3. No bad smells
4. Lower sheens with uniform look
5. Better durability outdoors
6. Indoor emissions healthier than solvent
7. Same technical performances than solvent
8. Solid content higher than solvent
9. Wider range of effects, stains and colors
10. Easy application
11. Dilution with water
12. Equipment cleaning with water
13. No fire insurance for stock needed
14. Low transport costs
15. Better work environment



Renner Wood Coatings plays a leading role in bringing higher quality solutions and the continuous study of green products. Renner Wood Coatings water-based products combine technological progress in nature conservation and better work conditions.

A LITTLE TRANSLATION...

As an Italian Company, sometimes the terminology and details may be unfamiliar in the United States market. Furthermore, there are certain products within the line that are manufactured in Italy and some that are manufactured in the USA. There are some key differences depending where the product was manufactured, which can be important to know. Here are a few elements that may help to close the gap and make it a little easier to navigate.

Units of Measure

The blue and silver cans are manufactured in Italy and shipped to the USA. These products are sold in quantities based on the metric standard of measurements.

Conversion Assistance

Liters to Gallons

3.48 Liters = 0.9193187 gallons

12.5 Liters = 3.302151 gallons

17.4 Liters = 4.596594 gallons

Kilograms to Gallons

1kg = 0.26 gallons

2.5kg = 0.66 gallons

5kg = 1.32 gallons

The black plastic cans, indicate the products that are manufactured in the USA. These products are sold based on the imperial system of measurement, more commonly used in the USA market.

Tint Strength Control

In the Italian manufactured cans, there is a more stringent control of the exact amount of base material in each can. Therefore, when it is tinted based on a color formula, the end result is consistent from can to can. However, the USA manufactured cans do not have the same control of this base material. So, when tint is added based on that same formula, the end result of the color can vary from can to can. It is ALWAYS recommended to box materials together for a consistent finished color result. And always ask for a color match prior to fulfilling an order to be confident in the finished color result.

Terminology to Understand

SBN: Indicates a white base, suitable for tinting lighter to medium color tones.

NTR: Indicates a clear base, which can be used as is for a clear coat or can be tinted to achieve darker colors.

1K: Is a stand alone, single component product, that can be used without a catalyzer.

2K: Is a 2 part component product that must be catalyzed when used.

MONO-BI: Refers to specific 1k products, that can be used as is without a catalyzer, but that can also utilize a catalyzer if desired to enhance performance and durability.

What is a Crosslinker?

A crosslinker is a liquid additive that can be combined with a product to strengthen it.

The crosslinker is only compatible with Renner's USA manufactured products.

IT IS NOT COMPARABLE TO OR TO BE USED AS A SUBSTITUTE FOR A CATALYST

HOW TO READ THE CAN....



MAKING SENSE OF THE RENNER LABEL NUMBERS

CAN MANUFACTURED IN THE US



PRODUCT #

UNIT OF MEASURE
USGU = United States Gallon

YO50.1062.00USGU

SHEEN LEVEL
Ex= 50

BASE TYPE
CLEAR OR WHITE
00 = Clear
02 = White

CAN MANUFACTURED IN ITALY



PRODUCT #

BASE TYPE
of primer
-- = Clear
02 = White

YL--M648/--C02

SHEEN LEVEL
-- = N/A
(Primer)

Topcoats base color indicated as:

SBN = Pastel Tint Base used for light colors or NTR = Clear Tint Base used for darker colors

SHEEN LEVELS



OVERVIEW

Renner Coatings uses numerical levels to represent the sheen of a product. They range from as low as 05 (correlates to a flat) up to 90 (correlates to a gloss). Please see the chart below to better understand how the sheen level corresponds to the descriptive terms typically used.

DESCRIPTIVE TERM	SHEEN LEVEL RANGE
FLAT /MATTE	0-10
LOW SHEEN	10-20
SATIN	25-35
SEMI-GLOSS	50-65
GLOSS	75+

This chart is for general guidance only. Sheen levels may vary product to product. See your Hessler Renner sales representative for more information.

M083 PRIMER



THE WHITE 1K PRIMER FOR EASY REFINISHING

OVERVIEW

This white primer makes refinishing work easy, with the best aesthetic results and performance. It's great versatility and excellent adhesion make this product suitable for different kind of materials, such as wood, veneer & MDF. Comparable to Zinsser BIN.

RECOMMENDED USES

Cabinets, tables & furniture

FEATURES & BENEFITS

- High hiding power
- No need of hardener
- Tannin and stain migration blocking
- Ready to use
- Easy application
- Low VOC Emissions
- Excellent versatility
- Equipment can be cleaned with water
- Left over material can be re-canned for future use

PRODUCT HIGHLIGHTS

Coverage, Adhesion & Stain Blocking



Renner Italia S.p.A.
Via Ronchi inferiore, 34
40061 MINERBIO (BO)

YI---M083/--C02

Adhesion Primer for re-finishing, general purpose

Main properties:

• For all kind of woods and MDF	• High coverage properties
• Adhesion Primer for re-finishing, general purposes	• Insulator for tannic wood

Versions:

YI---M083/--C02	White
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Recommended use:	• General purposes	•	•
Application method:	Spray: conventional air gun, airmix, airless, electrostatic (if suitable for water-based products).		
Product preparation:	ready to use as one component : Stir before use, DO NOT DILUTE for application on stained or tannic woods		

Chemical-physical characteristics (23°)

	C02
Solid content (%)	55 ± 2
Specific weight (g/cm ³)	1,30 ± 0,10
Viscosity DIN 6 (s) 23°C	45 ± 10
pH	7 - 9

Application characteristics

Max verticality (µm wet)	140
N° of coats	1-2 coat
Recommended quantity per coat (g/m ²)	min: 120 max: 150
Interval between coats	-
Spreading rate (m ² /litres)	6 - 10

General remark on coating system (C02 version)

Drying at 20°C and UR% between 45 and 65 : 140 g/m2	
Dust free	60 minutes
Handable	90 minutes
Overcoatable	8-24 h
Sandable	4 h

Forced drying: :140 g/m2		
	Temperature	Time
Flash Off	30 °C	10 minutes
Forced air	45 °C	40 minutes
Cooling	25 °C	5 minutes
Overcoatable		90 minutes
Sand able		2 h

Substrate preparation: sanding or brushing the wood surface with 320-400 grit paper

Application instruction: avoid application of large quantity of product as one coat only, or in wet on wet coating system.

Avoid thinning with water in order to get the best performance of the product. Apply the coating systems which allow the best atomization of the product. Following, some instructions for spray application:

	Dilution %	Nozzle	Air pressure (bar)	Air pressure (bar)
Conventional air gun	4 - 6	2 - 2,2	3 - 4	--
Airmix	--	11	0 - 2	80 - 110
Airless	--	11	--	120 - 150

The use of pre-heaters (with temperatures between 30 and 40°C) ensure better application constancy whatever it is the ambient room. Application of a third coat or drying conditions with low temperature and/or high level of relative humidity, lead to longer drying time. Drying should be carried out in areas with good air ventilation (the whole volume of air of the drying room should be renewed every 15-20 minutes).

Sanding: use 320-400 grit stearate based and spaced abrasive paper. The product is easily manually sand able, however, in case of automatic system avoid the heating up the film by managing the sanding parameters.

Overcoating: This basecoat can be overcoated without problems both from water based topcoat for interiors and solvent based topcoats. Do not use redox polyester based products.

For further information regarding our water-based products from our range please ask for our reference guide.

General remarks

• Mix well the product before using it.
• If the product is stored in premises with a temperature between 5 and 35°C, the shelf life is 12 months.
• During the application, both for the substrate that for the environment, the temperature has to be not below 15°C. The films that are created below that temperature have chemical and mechanical resistance characteristics below the standard quality usually obtained.
• The coating residues (washing water, water of the cabins, exhausted paints) must be disposed of according to current regulations. Do not dispose of into drains.
• The equipment must be washed with water straight after use. If dry films must be removed, use AY M460, leaving it to act for a night, then rinse with water.

What to do for....	Add	% of use	
		%	Grams per 25 litres
Improving thixotropy or viscosity of the product	AY M453	0,5 - 1	125 - 250
In case of cissing during application	AY U511	0,1 - 0,5	25 - 125

M643 PRIMER



THE SUPER VERSATILE WHITE BASECOAT

OVERVIEW

This super versatile white basecoat is a premium product for coating and protecting all kinds of wood and MDF. It can be used as a 1k primer for general purpose or as a 2k product to enhance its properties for adhesion and stain blocking.

RECOMMENDED USES

Cabinets, tables & furniture

FEATURES & BENEFITS

- Low VOC emissions
- Excellent versatility
- Great sandability
- Mono component (1k) or catalyzed (2k)
- Great insulating properties if catalyzed
- Long pot-life if catalyzed
- Equipment can be cleaned with water
- It can be overcoated with WB or PU topcoats

PRODUCT HIGHLIGHTS

Coverage, Adhesion when catalyzed & Stain Blocking when catalyzed



Renner Italia S.p.A.
Via Ronchi inferiore, 34
40061 MINERBIO (BO)

YL-M643/--XXX

MONO-BICOMPONENT WHITE WB BASECOAT

Main Properties:

• Suitable for all kind of wood as well as M.D.F.	• Resin blocking properties when catalyzed
• Long pot-life after catalysis	• Sandable with automatic sanding machine

Versions:

M643/--C02	white
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Recommended use:	• General purpose	• M.D.F. substrates	• Turned parts
Application method:	Spray (conventional, airless, air mix). Electrostatic guns may be used provided they are suitable for waterborne products.		
Blending instructions:	Catalyze with YC---M401 or YC M402 or YC M404 or YC-M434 at 4-10%. Once catalysed, the product has a pot life of 3 hours. CAUTION: addition from 6 to 10% can reduce product pot life by 25 to 50%. Ready to use if one component		

Chemical-physical characteristics (23 °C)

	C02
Solid contents (%)	50 ± 2
Specific gravity (g/cm ³)	1,25 ± 0,05
Viscosity DIN 6 (s) 23°	50 ± 10
pH	tra 7 e 9

Application properties

Vertical application (wet µm)	200
Recommended N° of coats	from 1 to 3 coats
Recommended application weight (g/m ²)	min: 150 max: 250
Interval between coats	2 hours
Spreading rate (m ² /litre)	6 - 10

General coating system recommendations

Drying at 20°C and 45-65% RH: 160g/m ²		Forced drying: 160g/m ²	
Dust free	30 minutes	Temperature	Time
Handling	60 minutes	Flash Off	30 °C
Over coating	4 hours	Laminar air	45 °C
Stackable	4 hours	Cooling	25 °C
Sanding time	2 hours	Stackable or overcoating	60 minutes
		Sanding time	2 h

Substrate preparation: Substrate must be carefully cleaned, removing all traces of grease, wax or resins. To minimize fibre rising the milling tools have to be well sharp-edged and, if possible, the substrate shall be sanded with 220 – 240 grit paper.

Wood species: Some wood essences like oak, acacia, ash, etc... release some coloured water soluble substances which may stain the white basecoat as well as the waterbased topcoat even if several coats are applied. Such wood essences can be lacquered with at least 2 coats of basecoats only if **YL M643/ C02** has been catalysed with hardener **YC M401** or **YC M402** or **YC M404** or **YC-M434** at 8%. The basecoat may be used as mono component if the lacquered topcoat is PU based or if the wood is free from water soluble substances

Application instructions: Avoid to apply excessive quantity of product in a single coat and wet on wet coating systems. To obtain the best result, it is recommended to avoid to dilute the product with water but to choose the best application conditions that shall allow the maximum product atomisation. Hereunder are listed the general advices suggested for spray application:

	Thinning %	Nozzle	Air pressure	Coating pressure
Conventional spray gun	4 - 6	from 2 to 2,2	From 3 to 4	--
Air mix	--	11	From 0 to 2	From 80 to 110
Airless	--	11	--	From 120 to 150

The use of pre atomizers and pre heaters (with temperatures between 30 and 40 °C) ensure better application consistency all year round. When application is carried out at low temperatures and / or high relative humidity, or when the third coat is applied drying time gets longer. Drying should be carried out in areas with good air ventilation (the whole volume of air of the drying room should be changed every 15-20 minutes)

Sanding: The use of spaced and stearate 280-400 grit paper is recommended. The product can be sanded both by manual or automatic sanding equipment. The automatic systems have to be set up in order to avoid to overheat the film of coatings.

Overcoating: Can be over coated both with waterborne topcoats for interior and with solvent based PU topcoats.

Overcoating with Redox polyester coatings is not recommended.

General remarks

- Mix well before use.
- If properly stored at temperatures between 5 and 35°C, shelf life is 18 months
- On application the temperature of the product, the substrate, the coating and the working environment should never fall below 15°C. Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved.
- Coating left overs (washing waters, waters from spray booths, used coatings) must be disposed of according to local regulations. Never dispose residues directly into drains.
- Application tools must be cleaned with water after use. When dry films must be removed, **AY---M460**, special detergent should be used, letting it work overnight and then cleansing with water

What to do in order to...	Add	% of use	
		%	Grams for 25 litri
Increase thixotropy or viscosity	AY M453	0,5 - 1	da 125 a 250
Eliminate craters / cissings	AY U511	0,2 – 0,5	da 50 a 125

M648 PRIMER



THE WHITE BASECOAT THAT PROTECTS WOOD

OVERVIEW

This high build primer is top-notch. Designed to coat and protect all wood and MDF. With excellent sandability, coverage, and sealing capabilities, it is very versatile. It has a great yield, even over turned items (furniture pieces fit together). But, most notable is its high build performance. Not recommended for substrates that are not paint grade (ex: Red Oak & Cherry Woods) as it does not perform as a tanin/stain blocker.

RECOMMENDED USES

All kinds of woods and mdf. Great for new work.

FEATURES & BENEFITS

- Low VOC emissions
- Excellent versatility
- Great sandability
- Mono component (1k) or catalyzed (2k)
- Equipment can be cleaned with water
- It can be overcoated with Water Based or Polyurethane topcoats.

PRODUCT HIGHLIGHTS

Coverage & High Build for outside corners and filling minor surface voids



Renner Italia S.p.A.
Via Ronchi inferiore, 34
40061 MINERBIO (BO)

YL---M648/--XXX

1-2KWater-basedBasecoat,white

WithRawMaterialfromrenewable sources

Main properties:

• Suitable for any kind of wood and MDF	• High build and insulating properties
• Can be sanded with automatic sanding machine	• Excellent anti fiberswelling properties on MDF
• Contains 11,5%of renewable carbon	

Versions:

M648/--C02	White
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Recommended use:	• General purpose	• MDF	• Turned parts
Application method:	Spray (conventional, airless, airmix). Electrostatic guns can be used if suitable for water-based products.		
Product preparation:	Ready to use as one-pack. Cross-link with YC M406 from 2 to 4%. 2K: YC M401 from 2% to 5% o, as alternative, YCM404 or YC-M434 from 2% to 5%		

Chemical-physical characteristics (23 °C)

	C02
Solid content (%)	50 ± 2
Specific weight (g/cm ³)	1,25 ± 0,05
Viscosity Brookfield (s) 23°C	11000 ± 2000
pH	7 - 9

Application properties

Vertical application (wet µm)	200
Recommended N° of coats	1 - 3
Recommended quantity per coat (g/m ²)	min: 150 max: 250
Interval between coats	2 h
Spreading rate (m ² /litre)	6 - 10

General remarks on the coating system

Dryingat 20°C e RH% between 45 and65: 160g/m²	
Dust free	30 minutes
Touch free	60 minutes
Overcoating	4
Stackable	h
Sandable	4
	h
	8
	h

Forced drying:160g/m²		
	Temperature	Time
Flash Off	30 °C	10 minutes
Laminar air	45 °C	45 minutes
Cooling	25 °C	5 minutes
Stackable and overcoating		60 minutes
Sandable		2 h

Substrate preparation: Clean the surface well, removing all traces of oil, wax and resins. To minimize the fibre swelling of MDF, sharp the working tools well and sand or brush the surface with 220 – 240 grit paper.

Wood species: Some wood essences, such as oak, acacia, ash, etc., release some coloured water-soluble substances which may stain the white basecoat as well as the water-based topcoat even if several coats are applied. Such wood essences can be lacquered with at least 2 coats of basecoats only if **YL M648/ C02** has been catalysed with **YC M401** at 5%. The basecoat can be used as one pack if the lacquered topcoat is PU or if the wood is free from water-soluble substances.

Application instructions: do not apply high quantities of product in a single coat and avoid wet-on-wet coating systems. To obtain the best result, do not thin the product with water, but choose the best application conditions allowing the maximum product atomisation. For example, for spray application:

	Thinning %	Nozzle	Air pressure	Coating pressure
Conventional gun	4 - 6	2- 2,2	3 - 4	--
Airmix		11	0 - 2	80 - 110
Airless		11	--	120 - 150

The use of pre atomizers and pre heaters (with temperatures between 30 and 40 °C) ensures better application consistency all year round. When application is carried out at low temperatures and / or high relative humidity, or when a third coat is applied, the drying time gets longer. Drying should be carried out in areas with good air ventilation (the whole volume of air of the drying room should be changed every 15-20 minutes.)

Sanding: The use of spaced and stearate 280-400 grit paper is recommended. The product can be sanded both with manual and automatic sanding equipment. The automatic systems must be set up in order not to overheat the coating films.

Overcoating: This product can be overcoated both with water-based topcoats and with PU and acrylic PU solvent-based topcoats.

Overcoating with Redox polyester coatings is not recommended.
For further information regarding the use of water-based products, please refer to our Main Guide.

General remarks

- Mix well before use.
- If properly stored at temperatures between 5 and 35°C, the shelf life is 18 months.
- On application, the temperature of the product, the substrate and the working environment should never fall below 15°C. Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved.
- Coating leftovers (washing waters, waters from spray booths, used coatings) must be disposed of according to local regulations. Never dispose of residues directly into drains.
- Application tools must be cleaned with water after use. When dry films must be removed, special detergent **AY---M460** should be used, letting it work overnight and then cleansing it with water.

C321 CLEAR SEALER



THE WB TRANSPARENT, REVITALIZING BASE COAT

OVERVIEW

This clear sand sealer offers excellent transparency with a warm tone, creating a high revitalizing effect. With quick dry, high build capabilities, and excellent sandability with an automatic machine, it is both versatile and user friendly.

RECOMMENDED USES

Industrial use, turned parts, fitted furniture, frame windows & doors

FEATURES & BENEFITS

- Quick Dry
- High Build
- Great sandability
- Mono component (1k) or catalyzed (2k)
- Equipment can be cleaned with water
- It can be overcoated with Water Based or Polyurethane topcoats

PRODUCT HIGHLIGHTS

Coverage & Provides a slight amber to warm the wood's beauty, similar solvent based products.



Renner Italia S.p.A.
Via Ronchi inferiore, 34
40061 MINERBIO (BO)

Main properties:

YL---C321

Waterbasedbasecoat , transparent, revitalizer

CONTAINSRAWMATERIALSFROMRENEWABLESOURCES

• Quick dry	• Excellent transparency – high revitalizing effect
• High build	• Sandable with automatic machine

Versions:

C321	clear
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Recommended use:	• Industrial use • Frame windows	• Turned parts • doors	• Fitted furniture
Application method:	Spray: airmix, airless, electrostatic (with tools suitable for water based coatings) ready to use; only if necessary, thinning with tap water.		
Blending instructions:	Note: at low temperature (below 15°C) the product's viscosity increases a lot and dilution might be necessary. In these cases, thinning at ratio 2 :1 water and AY M444 to improve the application and drying of the product.		
Catalysis	Can be catalyzed at 2- 4% with isocyanate product suitable for water based products such as YC M401 or YCM404 or YC M434		

Chemicalphysical characteristics (23 °C)

Solid content (%)	34 ± 2
Specific weight (g/cm ³)	1,030 ± 0,030
Viscosity DIN 8 (s)	-
Viscosity Brookfield (cPs)	4000 ± 500
pH	7 - 9

Application characteristics

Max verticality (µm wet)	160
N. of coats	1 - 2 coats
Recommended quantity per coat (g/sm)	min: 100 max: 160
Interval between the coats	1 h
Spreading rate (sm/liters)	8 - 12

General remark on coating system

Dryingat20°CandRU%between45and65: 140 g/sm	
Dust free	45 minutes
Handable	60 minutes
Stackable	4 h
Sandable	2 h
Overcoatable	4 h

on coating system		
Forceddrying: 140 g/sm		
	Temperature	Time
Flash Off	25 °C	5 minutes
Laminar air	35 °C	30 minutes
Forced air	20°C	5 minutes
Stackable	40 minutes	
Sandable	40 minutes	
Overcoatable	2 h	

Substrate preparation: clean the wood surface very well . It must be well dry (10-14% humidity) and without traces of grease, waxes or resins. In order to reduce the fiber swelling, sand accurately the surface with a 150-180 paper grit.

Application instruction: to get the maximum performance form the product, do not dilute with water but use application systems which enhance the best product atomization. In case of spray application, suggested parameters are:

	Nozzle	Air press.	Coating press.
Air gun	2 - 2,2	3 - 4	--
Airmix	11	0 - 2	80 - 110
Airless	11	--	120 - 150

The use of pre-heaters (with temperatures between 30 and 40 °C) ensures application constancy all year round. The application of the second coat or in case of drying condition with low temperature and/or high humidity level, prolong the drying time. Drying in room with a good air ventilation, with a full air exchange every 15-20 min.

Overcoating: water based basecoat **YL C321** can be overcoated with water based topcoats , nitro or solvent based PU as well.

For further information regarding the use of waterborne products, please refer to the Main Guide

Generalremarks

- Mix well before use.
- If properly stored at temperatures between 5 and 35°C, shelf life is 18 months.
- On application, the temperature of the product, the substrate, the coating and the working environment should never fall below 15°C. Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved.
- Coating left overs (washing waters, waters from spray booths, used coatings) must be disposed of according to local regulations. Never dispose of residues directly into drains.
- Application tools must be cleaned with water after use. When dry films must be removed special detergent **AY---M460** should be used, letting it work overnight and then cleansing with water

What to do...	Add	% of use	
		%	Grams for 25 litres
To slow downthedryingofthebasecoat	AY M444	0,5 - 1	125 - 250
To improvethixoorviscosity	AY M453	0,5 - 1	125 - 250
To eliminatetissings	AY U511	0,2 - 1	50 - 250
To improveadhesiononthesubstrateandelasticity	YC M401	2 - 4	500 - 1000
To improvesandabilityandstackability	YC M407	0,2 - 0,5	50 - 125

1061 SEALER



THE WATER-BASED SEALER FOR WOOD FLOORS

OVERVIEW

This water-based primer/sealer is specifically designed for wooden floors. It provides excellent wetting properties and brightening of the wood, enhancing its natural color while creating a properly prepared surface for the Renner Solid topcoat system.

RECOMMENDED USES

Wood flooring as the sealer/primer coat beneath Renner Solid-series water-based topcoats.

SHEEN OPTIONS

0, 5, 20 and 50

FEATURES & BENEFITS

- Water-based / waterborne formula
- 2-component (2K) system
- Transparent
- Excellent wetting properties
- Enhances the natural color of wood
- Excellent adhesion to wood
- Excellent sandability
- Designed for wood flooring
- Brush or roller application
- Sandable after approx 12 hours
- Mix with 10% Solid2K hardener
- Apply at temps above 60°F / 15°C
- 550–900 sq. ft. per 5-liter unit
- Standard package size: 5 liters

PRODUCT HIGHLIGHT

Great for wood floors when the goal is to bring out the natural richness and color of the wood before topcoating. It wets the wood effectively, provides excellent adhesion, and is known for its excellent sandability, making it an ideal foundation for the Solid-series floor topcoats.

Product name : SOLIDBASE
XD 1061

Description

SolidBase is a 2k water-based coating highly insulating. It is suitable for any type of wood, exotic too. It is an acrylic polyurethane resin-based coating, elastic, not yellowing and contains small quantities of solvent. It has no dangerous substances for people and nature.

Version

XD 1061 SolidBase

Application possibilities

It can be used on raw wood, cork or in order to restore already treated floors.

Peculiarities

Thanks to its special formulation, the development of the natural colour of the wood is similar to the effect obtained with a solvent-based product. For this reason, it is suitable for dark and tropical woods coating, such as iroko, merbau, etc...

Application instructions

Short haired paint roller, brush.

Product preparation

Dilute at 10% with the hardener Solid 2k. In summer, or with really dry woods, we suggest to dilute at 5-10% with SolidLongLife or simple water. If necessary, for a better performance, we suggest to add the hardener after the dilution.

Chemical and physical characteristics at 23° C

Appearance	Whitish liquid
Colour	White-amber (variable colour)
pH	8 +/- 1
Specific weight	[g/ml] 1,03 +/- 0,03
Viscosity	[s] (23°C; cup DIN hole 4) 23 +/- 5
Viscosity of the catalysed coating	[s] (23°C; cup DIN hole 4) 26 +/- 5

Application specifics

Number of layers suggested	1-2
Quantity per layer suggested	[g/m2] min 50; max 120
Duration of the blend	[hours] 4 (3 during summer)
Wait time between layers	[hours] 3-16
Yield per coat	[m2/lt] 8-14
Slight foot traffic	[hours] 3
Sand	[hours] min. 16
Livable after	[days] 3

Surface preparation

Carefully clean the wood surface. Plaster the grout lines with SolidFiller blended with sawdust obtained from floor sanding. Once dried, sand the raw wood (grit 100-150 suggested) and clean it from grease, wax or glue. Clean the floor with a vacuum before coating. If you paint a surface already coated, use a water insoluble colour in order to prevent the discoloration of the surface.

Application instructions

Mix well in order to homogeneize any eventual sediment on the bottom. Apply the product adding 10% of Solid2k while stirring and mixing vigorously for one minute. On dry wood and, in particular, in summer, dilute the first coat with 10% of water.

If needed, apply a third coat, without sending, waiting 3-4 hours between coats.

The coated surface can be sanded after 16 hours, if temperature and humidity are normal. It reach the maximum crosslinking in a week.

Catalysis

After the addition, apply it within 4 hours maximum (3 hours during summer). After that time it is necessary to prepare it again.

Product name : SOLIDZERO
XD 1100
Description

SolidZero is a 2k water-based extra mat coating, particularly suitable for lightwoods.

Version

XD 1100 SolidZero

Application possibilities

It can be used on raw wood or in order to restore already treated floors.

Peculiarities

It is an acrylic polyurethane resin-based coating highly resistant to wear, it is elastic and contains small quantities of solvent. It contains no dangerous substances for people and nature. Its special UV filters make it not yellowing and protect the natural colour of the wood.

Application instructions

Short haired paint roller, brush.

Product preparation

Dilute at 10% with the hardener Solid 2k. For the first coat, we suggest to dilute at 5-10% with SolidLongLife or simple water.

Certifications or dry film coating properties in coating system: 1 coat of SolidBase + 2 coats of SolidZero

Comply with high traffic standards according the following norms:

- Resistant to abrasion UNI EN 15185
- Resistant to chemical agents UNI EN 13442
- Resistant to dirt UNI 9300

Chemical and physical characteristics at 23° C

Appearance	Whitish liquid
Colour	White (variable colour)
Opacity	[gloss] 3 +/- 2
pH	8 +/- 1
Specific weight	[g/ml] 1,03 +/- 0,03
Viscosity	[s] (23°C; cup DIN hole 4) 23 +/- 5
Viscosity of the catalysed coating	[s] (23°C; cup DIN hole 4) 26 +/- 5

Application specifics

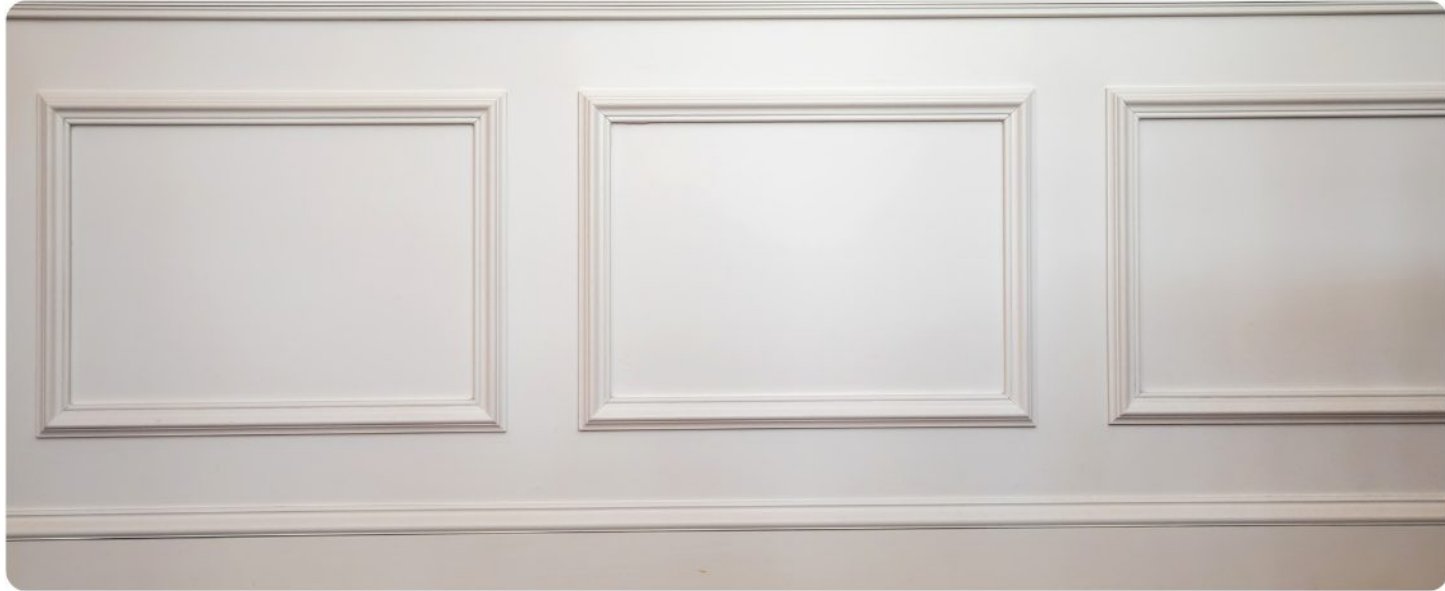
Number of coats suggested	2-3
Quantity per coats suggested	[g/m ²] min. 50; max. 120
Duration of the blend	[hours] min. 6
Wait time between coats	[hours] 3-6
Yield per coat	[m ² /L] 6-7
Application temperature	[°C] between +10 and +35
Slight foot traffic	[hours] 4
Normal foot traffic	[hours] 24
Livable after	[days] 3

Surface preparation

Carefully clean the wood surface. Plaster the grout lines with SolidFiller blended with sawdust obtained from floor sanding. Once dried, sand the raw wood (grit 100-150 suggested) and clean it from grease, wax or glue. Clean the floor with a vacuum before coating. If you paint a surface already coated, use a water insoluble colour in order to prevent the discoloration of the surface.

On resinous, dark or particularly hard woods (such as iroko, merbau, etc...) the use of the insulating water-based primer SolidBase is suggested, diluted at 10% with Solid2k for the first coat in order to improve the aesthetic result and the adhesion of the coating system.

1150 WHITE PRIMER



THE BASIC 1K WHITE INTERIOR PRIMER

OVERVIEW

This product provides the perfect first layer for coverage and build. The counter part to the clear 1150 product, It provides the same general use but for those projects where the wood grain will be concealed.

RECOMMENDED USES

Furniture, cabinets & interior wood pieces.

FEATURES & BENEFITS

- Low VOC emissions
- Excellent versatility
- Great sandability
- Mono component (1k)
- Equipment can be cleaned with water
- It can be overcoated with Waterbased or Polyurethane topcoats

PRODUCT HIGHLIGHTS

Tintable, General Use, High Performance & Great Buildability

Product name : SOLIDZERO
XD 1100
Description

SolidZero is a 2k water-based extra mat coating, particularly suitable for lightwoods.

Version

XD 1100 SolidZero

Application possibilities

It can be used on raw wood or in order to restore already treated floors.

Peculiarities

It is an acrylic polyurethane resin-based coating highly resistant to wear, it is elastic and contains small quantities of solvent. It contains no dangerous substances for people and nature. Its special UV filters make it not yellowing and protect the natural colour of the wood.

Application instructions

Short haired paint roller, brush.

Product preparation

Dilute at 10% with the hardener Solid 2k. For the first coat, we suggest to dilute at 5-10% with SolidLongLife or simple water.

Certifications or dry film coating properties in coating system: 1 coat of SolidBase + 2 coats of SolidZero

Comply with high traffic standards according the following norms:

- Resistant to abrasion UNI EN 15185
- Resistant to chemical agents UNI EN 13442
- Resistant to dirt UNI 9300

Chemical and physical characteristics at 23° C

Appearance	Whitish liquid
Colour	White (variable colour)
Opacity	[gloss] 3 +/- 2
pH	8 +/- 1
Specific weight	[g/ml] 1,03 +/- 0,03
Viscosity	[s] (23°C; cup DIN hole 4) 23 +/- 5
Viscosity of the catalysed coating	[s] (23°C; cup DIN hole 4) 26 +/- 5

Application specifics

Number of coats suggested	2-3
Quantity per coats suggested	[g/m ²] min. 50; max. 120
Duration of the blend	[hours] min. 6
Wait time between coats	[hours] 3-6
Yield per coat	[m ² /L] 6-7
Application temperature	[°C] between +10 and +35
Slight foot traffic	[hours] 4
Normal foot traffic	[hours] 24
Livable after	[days] 3

Surface preparation

Carefully clean the wood surface. Plaster the grout lines with SolidFiller blended with sawdust obtained from floor sanding. Once dried, sand the raw wood (grit 100-150 suggested) and clean it from grease, wax or glue. Clean the floor with a vacuum before coating. If you paint a surface already coated, use a water insoluble colour in order to prevent the discoloration of the surface.

On resinous, dark or particularly hard woods (such as iroko, merbau, etc...) the use of the insulating water-based primer SolidBase is suggested, diluted at 10% with Solid2k for the first coat in order to improve the aesthetic result and the adhesion of the coating system.

1214 PRIMER



THE ECONOMICAL FAST DRYING PRIMER

OVERVIEW

This white pigmented water based primer offers superior coverage, exceptional sandability with a fast dry time. Most recommended for general use on furniture, cabinets and interior wood pieces.

RECOMMENDED USES

Millwork, furniture & cabinets

FEATURES & BENEFITS

- Superior Coverage
- Excellent versatility
- Fast Dry Time

PRODUCT HIGHLIGHT

Affordable, high performance sealer



Renner USA Corp.
651, Michael Wylie Drive
Charlotte, NC 28217

YL.1214.02

White Pigmented Waterbased Primer

Main properties:

• Superior coverage	• Exceptional sandability
• Fast dry time	•

Versions:

Recommended use:	• Furniture	• Cabinets	• Interior wood pieces
Application method:	Spray		
Blending instructions			

Chemical-physical properties (25 °C/77°F)

Solids content (%)	Volume: 39 ± 2% Weight: 54 ± 2%
Specific gravity (g/cm ³)	1.343 ± 0.03
Viscosity 25°C/77°F	30 ± 2 sec Ford Cup 4

Application properties

Pot Life	-
Recommended N° of coats	2
Recommended quantity per coat (g/m ²)	75-100

General remarks on the application system

Drying at 20°C/68°F and 45 – 65 RU% : 100 g/m ²	
Sanding	4 hr
Handling	1 hr
Stackable	4 hr

Forced drying: 100 g/m ²		
	Temperature	Time
Flash Off	25°C/77°F	-
Laminar air	32°C/90°F	5 min
Jet air	71°C/160°F	1.5 min
Stackable		
Sanding		
Re-coating		

Substrate preparation Ensure the surface is clean and dry. Substrate must be free of grease, oil, dirt, fingerprints, and any other contamination to ensure optimum adhesion and coating performance properties. Sand the wood with 180-240 grit

Application instructions: Sand between coats with 360 grit.

	Thinning ratio %	Nozzle	Air pressure	Coating pressure
Conventional gun	--	1.8	3 - 4	--
Airless	-	-	-	-
Air mix	-	-	-	-

General remarks

- Mix well before use.
- If properly stored at temperatures between 5°C/41°F and 35°C/95°F, shelf life is 12 months
- On application the temperature of the product, the substrate, the coating and the working environment should never fall below 15°C/59°F. Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved.
- Coating left overs (washing waters, waters from spray booths, used coatings) must be disposed of according to local regulations. Never dispose residues directly into drains.
- Application tools must be cleaned with water after use.

C005 TOPCOAT



THE ECONOMICAL, USER FRIENDLY 1K TOPCOAT

OVERVIEW

This 1k topcoat is a go to product for general use at an affordable price point. In comparison to other brands at the same price point, the Renner C005 will provide a far superior finish and performance. Additionally, like all Renner Coating manufactured in Italy, the color is reliable from can to can.

RECOMMENDED USES

General use of interior woodwork.

AVAILABLE SHEENS

10, 30, 50

FEATURES & BENEFITS

- Low VOC emissions
- Excellent versatility
- Quick Drying
- High Hide & Coverage
- Equipment can be cleaned with water
- Excellent Hardness
- Soft velvety touch
- Sprays similar to a solvent

PRODUCT HIGHLIGHTS

Affordability, user friendly & used as a 1k (non catalyzed) adds to easy application



Renner Italia S.p.A.
Via Ronchi Inferiore, 34
40051 MINERBIO (BO)

YO XXC005/--XXX

Water based topcoat/converter for interiors

Main Properties:

• Excellent hardens and soft touchiness	• High covering level of pigments
High matting harmonizing properties	• Quick drying

Versions

10C005/ SBN	10 gloss white	10C005/ NTR	10 gloss neutral	30C005/ SBN	30 gloss white	50C005/ SBN	50 gloss white
50C005/ NTR	50 gloss neutral	30C005/ NTR	30 gloss neutral				

Recommended use:	• General us	• interiors	•
Application method:	Spray: airgun, air mix, airless, electrostatic (if suitable for water based products)		
Product preparation	Ready to use. If needed, thin with tap water and/or add cross linker YC M407 (dose from 0,5 up to 1%) <i>under stirring</i>		

Chemical-physical characteristics (23 °C)

	NTR	SBN
Solid contents (%)	29 ± 3	37 ± 3
Specific weight (g/cm ³)	1,050 ± 0,030	1,160 ± 0,030
Viscosity DIN 6 (s)	30 ± 5	
pH	8 - 8,5	

Application properties

Vertical application (wet µm)	140
Recommended n° of coats	1
Recommended quantity per coat	min: 100 max: 140
Interval between coats	-
Spreading rate (m ² /litre)	6 - 11

General remarks on the coating system

Drying at 20°C and RU% between 45 and 65: 120 g/m ²	
Dust free	45 minutes
Hand able	1,5 h
Over coatable	-
Stack able	12 h

Forced drying: 120 g/m ²		
	Temperature	Time
Flash Off	30 °C	2 minutes
Laminar air	45 °C	10 minutes
Cooling	20 °C	2 minutes
stack ability	1 h	

Substrate preparation: Sand the basecoat accurately with 320 – 400 grit paper. YO XXC005/ XXX can be applied on wb, PE or UV basecoats. Do not over coat nitro or PU basecoats.

Pigmentability: please refer to Aquaris Formula book for interiors YO-76 for colours already formulated at 12% with wb pastes EYM460/XXX. Topcoat YO XXC005/ NTR can be pigmented, if necessary, up to max 18%, white base SBN is pigmentable only up to 4%. Please refer to tds of pastes for technical information about building, light resistance, etc.

Note: by operating with base NTR, and on the basis of the colour composition, change in viscosity of the topcoat might occurred. The best viscosity for application is about 30 seconds with DIN 6 cup. This value shall be checked and got by using tap water or thickener AY M453 under stirring.

Application instructions: to get the max performance of the product, do not dilute with tap water but used application systems which allows the best product atomization. For application by spray:

	Thinning %	Nozzle	Air pressure (bar)	Coating pressure (bar)
Conventional spray gun	4 - 6	2 -2,5	3 - 4	-
Airmix	-	11	0 - 2	80 - 110
Airless	-	11	-	120 - 150

The use of pre-heaters (with temperatures between 30 and 40 °C) ensures application constancy all year round. Drying should be carried out in areas with good air ventilation (the whole volume of air of the drying room should be renewed every 15-20 minutes).

General remarks

- Mix well before use.
- If properly stored at temperatures between 5 and 35°C, shelf life is 12 months.
- On application the temperature of the product, the substrate, the coating and the working environment should never fall below 15°C.
- Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved.
- Coating left over (washing waters, waters from spray booths, used coatings) must be disposed of according to local regulations. Never dispose residues directly into drains.
- Application tools must be cleaned with water after use. When dry films must be removed, AY--M460, special detergent should be used, letting it work overnight and then cleansing with water

What to do in order to...	Add	% of use	
		%	Grams for 25 litre
Slow down drying time	AY M444	1 - 2	250 - 500
Improve viscosity	AY M453	0,2 - 4	50 - 1000
Eliminate craters/cissings	AY M457	0,2 - 1	50 - 250
Improve chemical resistance and stack ability	YC M407	0,5 - 1	125 - 250

688 TOPCOAT



THE ANTI-SCRATCH 2K TOPCOAT FOR KITCHENS

OVERVIEW

This premium 2k topcoat is designed to give your woodwork an exceptional anti-scratch finish with high durability. It can even be used on horizontal surfaces such as table tops. It may be pigmented or applied clear. So durable, it can be compared with a 2k solvent urethane.

RECOMMENDED USES

General use, furniture & kitchens

SHEEN OPTIONS

5, 15, 30, 60

FEATURES & BENEFITS

- No VOC emissions
- Catalyzed for durability (2k)
- Superior hardness with a velvety touch
- Exceptional chemical and physical resistance
- Applicable over natural woods, water based stains or pigmented top coats
- Offers excellent sheen level uniformity
- High quality custom or production finishing
- Equipment can be cleaned with water
- Available in endless shades

PRODUCT HIGHLIGHTS

Premium performance and durability - It can even be used on tabletops



Renner Italia S.p.A.
Via Ronchi inferiore, 34
40061 MINERBIO (BO)

YO XXU688/--XXX

2k Topcoat for kitchens

Main properties:

• Excellent hardness and touch feeling	• Excellent sheen level uniformity
• Base for lacquered colours	• Excellent chemical-physical resistances

Versions:

05U688 SBN	5 gloss white 15
15U688/ NTR	gloss neutral 30
30U688/ NTR	gloss neutral

05U688/NTR	5 gloss neutral
30U688SBN	30 gloss white
60C688SBN	60 gloss white

15U688 SBN	15 gloss white
60U688/ NTR	60 gloss neutral

Recommended use:	• General use	• Furniture	• Kitchens
Application method:	Spray: conventional air gun, airmix, airless, electrostatic (provided with equipment suitable for water-based products).		
Product preparation:	Catalyse with YC M403 at 10-15% or, alternatively , with YC M404 at the same ratio. Thin with tap water if needed to improve application. <i>The product has to be catalysed at 15% to obtain the best chemical-physical resistances.</i>		

Chemical-physical properties (at 23 °C)

	Neutral	White
Solid content (%)	32 ± 3	42 ± 3
Specific weight (g/cm ³)	1,030 ± 0,030	1,150 ± 0,030
All products: Viscosity	30 ± 10	30 ± 10
DIN 6 (S)	7 - 8.5	
pH	7 - 8.5	

Application properties

Vertical application (wet µm)	Max 150
Recommended N° of coats	1
Recommended quantity per coat (g/m ²)	min: 100 max: 150
Interval between coats	-
Spreading rate (m ² /litres)	7 - 10

General remarks on the coating system

Drying at 20°C and R.H. 45-65%: 120g/m ²	
Dust free	45 minutes
Handable	4 h
Overcoating	-
Stackable	24 h

Forced drying: 120g/m ²		
	Temperature	Time
Flash Off	30 °C	20 minutes
Laminar air	45 °C	4 h
Cooling	20 °C	10 minutes
Stackable	12 h	

Substrate preparation: Clean the surface carefully with 320-400 grit paper. **YO xxC688/ XXX** can be applied on WB, PE or UV basecoats. Overcoating nitro or PU basecoats is not recommended.

Application instructions: To obtain the best results, it is better not to thin with water but to choose the best application conditions that allow the maximum atomization. Some general suggestions for spray application are here below enlisted:

	Thinning ratio %	Nozzle	Air pressure	Coating pressure
Conventional spray gun	4 - 6	2 - 2,2	3 - 4	--
Airmix	--	11	0 - 2	80 - 110
Airless	--	11	--	120 - 150

The use of pre atomizers and pre heaters (with temperatures between 30 and 40 °C) ensures better application consistency all year round. Drying should be carried out in areas with good air ventilation (the whole volume of air of the drying room should be renewed every 15-20 minutes).

Pigmentability: YOxxC688 / XXX is suitable for pigmentation with pastes **EY---M690/--xxx**.

The NTR version can be pigmented from 8% up to max 12%, The pigmentability with paste **EY---M690/--C01** must be pigmented only up to 5%, while the SBN version can be pigmented only up to 4%. Please refer to the technical data sheet of the pastes for information on build, light resistance etc.

For further information regarding the use of waterborne products, please refer to the Main Guide.

General remarks

- Mix well before use.
- If properly stored at temperatures between 5 and 35°C, the shelf life is 18 months.
- On application, the temperature of the product, the substrate and the working environment should never fall below 15°C.
- Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved.
- Coating leftovers (washing waters, waters from spray booths, used coatings) must be disposed of according to local regulations. Never dispose of residues directly into drains.
- Application tools must be cleaned with water after use. When dry films must be removed, special detergent **AY---M460** should be used, letting it work overnight and then cleansing it with water.

What to do...	Add	% of use	
		%	Grams per 25 litres
If the product dries too quickly	AY M062	1 - 2	250 - 500
To improve the thixotropy or viscosity	AY M453	0,1 - 1	25 - 250

765 TOPCOAT



THE HIGH BUILD TOPCOAT WITH SUPERIOR VERTICAL HANG

OVERVIEW

This water based topcoat offers the best performance and aesthetic results. It can be used as a mono component (1k) or bicomponent (2k) finish. You will love this product for jobs requiring vertical spray application. Easy to spray for a beautiful finish, it can make even a novice look like a professional.

RECOMMENDED USES

General use, furniture, cabinetry, turned parts & louvered doors/shutters.

SHEEN OPTIONS

10 & 30

FEATURES

- Vertical application
- High build
- Quick drying
- High coverage
- Good resistance to cold liquids
- Low VOC emissions
- Excellent versatility
- It can be catalyzed for better adhesion (2k)
- Both white and neutral version
- Ease of use
- Can be pigmented in endless shades
- High quality custom or production finishing
- Equipment can be cleaned with water
- Can be applied over WB, PE or UV basecoats

PRODUCT HIGHLIGHTS

Self Sealing, Superior vertical hang, Tintable or Clear options, 1K or 2K Product.



Renner Italia S.p.A.
Via Ronchi Inferiore, 34
40061 MINERBIO (BO)

YO XXU765/XXXXX

Wb topcoat converter for interior

Main properties:

• Excellent building and soft touchness	• High coverage properties
• Excellent vertical hold	• Quick drying

Versions

30U765/ SBN	30 gloss white	30U765/ NTR	30 gloss Neutral
-------------	----------------	-------------	------------------

Recommended use:	• General use	• Furniture	• Electrostatic application
Application method:	Spray: conventional air gun, airmix, airless,		
Blending instructions:	ready to use; if need, thinning with tap water and/or add the crosslinker YC M407 (quantity from 0,5 to 1%) <i>to get isolating properties or to have a better adhesion on solvent based basecoat, the product YOXXU765/ XX can be catalysed with YC---M404 at 4-5%.</i>		

Chemical-physical properties (at 23 °C)

Solid content	37 ± 3
Specific gravity (g/cm ³)	SBN 1,150 ± 0,030 NTR 1,040 ± 0,030
Viscosity Brookfield	Vel. 20 gir. 5 6000 ± 500 cps
pH	7 - 9

Application properties

Vertical application (wet µm)	220
Recommended N° of coats	1/2
Recommended quantity per coat (g/m ²)	min: 150 max: 200
Interval between coats	At least 4 h
Spreading rate (m ² /liters)	5 - 8

General remarks on the application system

Drying at 20°C and 45 - 65 RU%: 120 g/m ²	
Dust free	45 minutes
Handable	2 h
Overcoatable	4 h
stackable	12 h

Forced drying: 120 g/m ²		
	Temperature	Time
Flash Off	30 °C	5 minutes
Laminar air	45 °C	30 minutes
Cooling	20 °C	5 minutes
Stackable	2 h	

Substrate preparation: Clean very well the basecoat with 320-400 grit paper. YO XXU765/XXXXX can be applied on water based, PE or UV basecoat. Do not overcoat with nitro or PU basecoats.

Application instructions: To obtain the best results, it is recommendable not to thin with water but to choose the best application conditions that allow the maximum atomization. The pot-life of the catalysed product is 3-4 hours. Here are some general guidelines suggested for spray application

	Thinning ratio %	Nozzle	Air pressure	Coating pressure
Conventional spray gun	4 - 6	2-2,5	3 - 4	--
Airmix	--	11	0 - 2	80 - 110
Airless	--	11	--	120 - 150

The use of pre atomizers and pre heaters (with temperatures between 30 and 40 °C) ensures better application constancy whatever it is the ambient room. Drying should be carried out in areas with good air ventilation (the whole volume of air of the drying room should be renewed every 15-20 minutes).

For further information regarding the use of waterborne products, please refer to the Main Guide.

General remarks

- Mix well before use.
- If properly stored at temperatures between 5 and 35°C, shelf life is 12 months
- On application the temperature of the product, the substrate, the coating and the working environment should never fall below 15°C. Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved.
- Coating left over (washing waters, waters from spray booths, used coatings) must be disposed of according to local regulations. Never dispose of residues directly into drains.
- Application tools must be cleaned with water after use. When dry films must be removed, AY---M460, special detergent should be used, letting it work overnight and then cleansing with water

What to do in order to.....	Add	% of use	
		%	Grams for 25 liters
Slow down drying time	AY M444	1 - 2	250 - 500
Improve viscosity	AY M453	0,2 - 4	50 - 1000
Eliminate cissing	AY M457	0,2 - 1	50 - 250
Improve chemical resistance and stack ability	YC M407	0,5 - 1	125 - 250

851 TOPCOAT



THE WATER BASED SEALER FOR OPEN GRAIN WOODS

OVERVIEW

This beautiful top coat or self-sealer is suitable for all woodwork with exceptional durability. Thanks to its quick drying time you can apply multiple coats in the same day. Specifically designed to preserve your open grain woodwork, for a rich and textured look.

RECOMMENDED USES

General use, furniture, & cabinetry

SHEEN OPTIONS

10, 25 , 30 & 50

FEATURES & BENEFITS

- No VOC emissions
- High durability
- Rapid drying
- Good sandability
- Good clarity
- Good chemical-physical resistances
- Mono component (1k) or catalyzed (2k)
- Apply over natural woods or wb stain
- High quality custom or production
- Can be pigmented in endless shades
- Equipment can be cleaned with water
- Good insulating properties if catalyzed

PRODUCT HIGHLIGHT

Great for oak! The coating soaks into the grain and sits close to the surface to protect but not cover up the dimension of natural grain & texture.



Renner Italia S.p.A.
Via Ronchi Inferiore, 34
40061 SANERGO (BO)

YO XXC851/--XXX

Waterborne self sealer for open pore wood

Main properties:

• Quick drying	• Good isolating properties if catalysed
• Excellent wetting power	• Good chemical/physical resistances

YO-10C851/--C02	10 gloss white	YO-25C851/--C02	25 gloss white
YO-10C851/--	10 gloss clear	YO-30C851/--	30 gloss clear
YO-50C851/-- C02	50 gloss white	YO-50C851/--	50 gloss clear

Recommended use:	• General use	• For woods with pore	• If catalysed, used for rich in tannin wood
Application method:	Spray: conventional air gun, airmix, airless,		
Blending instructions:	Catalyse at 5 - 10% with YO---M402, YO---M404, if needed, thinning at max. 10% with tap water. Once catalysed, the product has a pot life of 3-4 hours.		

Chemical-physical properties (23 °C)			Application properties	
	C02	Trasp.	Vertical application (wet µm)	140
Solids content (%)	40 ± 3	28 ± 3		
Specific gravity (g/cm ³)	1,180 ± 0,030	1,030 ± 0,030	Recommended N° of coats	max 3 coats
Viscosity DIN 5 (s)	30 ± 8	30 ± 8	Recommended quantity per coat (g/m ²)	min: 80 max: 130
pH	7,5 - 8,5	7,5 - 8,5	Interval between coats	2 h
			Spreading rate (m ² /litre)	7 - 10

General remarks on the application system

Drying at 20°C and 46 ± 85 RH%: 100 g/m ²		Forced drying: 100 g/m ²	
		Temperature	Time
Dust free	45 minutes	Flash Off	30 °C 15 minutes
Handling	60 minutes	Laminar air	45 °C 60 minutes
Sand able	2 h	Cooling	20°C 5 minutes
Stackable	5 h	Stackable	Just downloaded from the tunnel

Substrate preparation: clean very well the surface, which shall be well dry (10-14% humidity). Clean up possible traces of resins, wax or grease. To avoid fibre swelling surfaces must be sanded with 180-220 grit paper.

Wood species: self sealer YO XXC851/ CXX has a good isolating power only if catalysed and for this reason it is recommended for coating rich in tannin or other substances wood species.

Application instructions: To obtain the best results, it is recommendable not to thin with water but to choose the best application conditions that allow the maximum atomization. For example, for spray application:

	Thinning ratio %	Nozzle	Air pressure	Coating pressure
Conventional spray gun	--	1,8 -2,2	3 - 4	--
Airmix	--	11	0 - 2	80 - 110
Airless	--	11	--	120 - 150

The use of pre atomizers and pre heaters (with temperatures between 30 and 40 °C) ensure better application constancy whatever it is the ambient room. Drying should be carried out in areas with good air ventilation (the whole volume of air of the drying room should be renewed every 15-20 minutes)

Overcoatings: waterborne self sealer YO XXC851/--CXX can be overcoated after sanding with 280 - 320 grit paper. This product can be used as topcoat on waterborne, polyester or UV white basecoats.

For further information regarding the use of waterborne products, please refer to the Main Guide

General remarks

- Mix well before use.
- If properly stored at temperatures between 5 and 35°C, shelf life is 18 months
- On application the temperature of the product, the substrate, the coating and the working environment should never fall below 15°C. Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved.
- Coating left over (washing waters, waters from spray booths, used coatings) must be disposed of according to local regulations. Never dispose residues directly into drains.
- Application tools must be cleaned with water after use. When dry films must be removed, AY---M480, special detergent should be used, letting it work overnight and then cleansing with water

What to do in order to.....	Add	% of use	
		%	Grams for 25 liters
Improve wood colour resistance	AY M438	1	250
Slow down drying time and improve filming	AY M444	0,5 - 1	125 - 250

Increase thixotropy or viscosity	AY M464	0,5 - 1	125 - 250
Eliminate oraters/folccing	AY M467	0,2 - 1	50 - 250

855 TOPCOAT



THE WATER-BASED HIGH-TRANSPARENCY TOPCOAT

OVERVIEW

This premium, high-build water-based clear topcoat is designed to deliver exceptional transparency and an extremely uniform finish on interior woodwork. Its single-component formula combines excellent hardness, a smooth soft feel and strong chemical resistance, while maintaining the clarity and beauty of the wood underneath.

RECOMMENDED USES

Furniture, cabinetry, millwork and interior woodwork. Suitable over natural wood and water-based stains.

SHEEN OPTIONS

05, 10, 20, 30, 60 & 90

FEATURES & BENEFITS

- Water-based, mono-component (1K)
- Exceptional transparency and clarity
- Excellent hardness
- Smooth, soft-touch finish
- Excellent chemical resistance
- Excellent sheen uniformity
- Good build and filling properties
- Good sanding characteristics
- Unlimited pot life as a 1K product
- Apply over natural wood or WB stain
- Equipment cleans easily with water
- Custom or production finishing
- No VOC emissions

PRODUCT HIGHLIGHT

Great for projects where clarity and finish uniformity are the priority. M855 provides an exceptionally transparent, high-build finish that keeps the natural character of the wood visible while delivering a smooth, refined surface with excellent hardness and chemical resistance.



Renner Italia S.p.A.
Via Ronchi Inferiore, 34
40061 MINERBIO (BO)

YO xxM855

Clearwaterbornetopcoat one-component

Main properties:

• Excellent hardness and softness	• High matting uniformity
• Excellent chemical resistance	• High building

Versioni:

05M855	5gloss transparent	20M855	25 gloss transparent	60M855	65 gloss transparent
10M855	15gloss transparent	30M855	35 gloss transparent	90M855	85 gloss transparent
		50M855	50 gloss trasparente		

Recommended use:	• General purpose	• Interior furniture	• Furniture
Application method:	Spray: conventional, airless, air mix, low pressure. Electrostatic guns may be used provided they are suitable for waterborne products)		
Blending instructions	Ready to use. May be further thinned with tap water if necessary		

Chemical-physicalproperties (23 °C)

Solids content (%)	28± 2
Specific gravity (g/cm ³)	1,030 ± 0,030
Viscosity DIN 6(s)	50 ± 10
Viscosità Brookfield (mPas)	-
pH	7,5 - 8,5

Application properties

Vertical application (wet µm)	100
Recommended N° of coats	max. 1
Recommended quantity per coat (g/m ²)	min: 80 max: 120
Interval between coats	-
Spreading rate (m ² /litre)	7-10

General remarks on the application system

Dryingat20°Cand 45-65RU%: 120g/m ²		Forceddrying:120g/m ²	
Dust free	45 minutes	Temperature	Time
Handling	2 hour	Flash Off	30 °C 15 minutes
Stackable	16 hours	Laminar air	45 °C 45 minutes
		Cooling	20 °C 15 minutes
		Stackable	2 h

Substrate preparation: Carefully sand the basecoat with grit paper 320 – 400. YO xxM855 may be applied on waterbased, polyester or UV basecoat. Overcoating with nitro or PU basecoat must be avoided.

Application instructions: To obtain the best results, it is recommendable not to thin with water but to choose the best application conditions that allow the maximum atomization. For example, for spray application:

	Thinning ratio %	Nozzle	Air pressure	Coating pressure
Conventional spray gun	--	1,5 - 2,2	3 - 4	--
Air mix	--	9	0 - 2	80 - 100
Airless	--	9	--	100 - 120

The use of pre atomizers and pre heaters (with temperatures between 30 and 40 °C) ensure better application constancy whatever it is the ambient room. Drying should be carried out in areas with good air ventilation (the whole volume of air of the drying room should be renewed every 15-20 minutes).

For further information regarding the use of waterborne products, please refer to the Main Guide

General remarks

- Mix well before use.
- If properly stored at temperatures between 5 and 35°C, shelf life is 18 months.
- Do not apply it temperature is lower than 15°C. Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved.
- Coating left over (washing waters, waters from spray booths, used coatings) must be disposed of according to local regulations. Never dispose residues directly into drains.
- Application tools must be cleaned with water after use. When dry films must be removed, AY---M460, special detergent should be used, letting it work overnight and then cleansing with water

What to do in order to.....	Add	% of use	
		%	Gramsfor25liters
Increase drying time	AY M444	0,5 - 1	125 - 250
Increase thixotropy or viscosity	AY M453	1 - 2	250 - 500
Eliminate craters/cissing	AY M457	0,2 - 0,5	50 - 125
Improve chemical resistance and stackability	YC M407	0,5 - 2	125-500

1245 TOPCOAT



THE 1K TOPCOAT

OVERVIEW

This beautiful top coat is available as a 1k product only. It can come in a clear base ready to use or tinted to any color. Most notable is its option to be used for jobs that require a high sheen finish, using the 90 sheen clear coat.

RECOMMENDED USES

General use, furniture, doors & cabinetry

SHEEN OPTIONS

10, 20, 30 & 50 available in the white base

90 available in the clear base only

FEATURES & BENEFITS

- Exceptional Coverage
- Superior Hardness
- Excellent Transparency
- Excellent Sheen Uniformity
- Smooth Finishing Touch

PRODUCT HIGHLIGHTS

1k topcoat available in a clear or white tintable base



Renner USA Corp.
651, Michael Wylie Drive
Charlotte, NC 28217

YOxx.1245.NTRUS

Color System WB Neutral Base Topcoat xx Sheen

Main properties:

• Exceptional coverage	• Excellent transparency
• Superior hardness	• Excellent sheen uniformity
• Smooth finishing touch	• Interior use

Versions:

YO10.1245.NTRUS	10 gloss, neutral	YO30.1245.NTRUS	30 gloss, neutral	YO90.1245.NTRUS	90 gloss, neutral
YO20.1245.NTRUS	20 gloss, neutral	YO50.1245.NTR	50 gloss, neutral		

Recommended use:	• Furniture	• Doors	• Cabinets
Application method:	Spray		
Blending instructions	Can be crosslinked at 1% with YC.1402US or 5% with YC.1018US, can be diluted up to 10% water		

Chemical-physical properties (25 °C/77°F)

Solids content (%), by weight	29 ± 2
Solids content (%), by volume	27.5 ± 2
Specific gravity (g/cm ³)	1.036 ± 0.03
Viscosity 25°C/77°F	90 ± 2 Krebs Stormer KU

Application properties

Pot Life	4h (crosslinked)
Recommended N° of coats	1
Recommended quantity per coat (g/sm)	100-150

General remarks on the application system

Drying at 20°C/68°F and 45 – 65 RU%: 100 g/m ²	
Sanding	4 h
Handling	2 h
Dust Free	45 min
Stackable	24 h

Forced drying: 100 g/m ²		
	Temperature	Time
Flash Off	25°C/77°F	30 - 60 sec
Laminar air	60°C/140°F	5 min
Jet air	60°C/140°F	5 min
Cooling	25°C/77°F	10 min

Substrate preparation Ensure the surface is clean and dry. Substrate must be free of grease, oil, dirt, fingerprints, and any other contamination to ensure optimum adhesion and coating performance properties.

Tinting Instructions: Use the dispensing system machine (Renner Color System).

Colorants and Limits: EY-M690/Colors; **Ratio Maximum:** 90/10

Gyroscopic shaker time: 8 min

See Basic Color System Guide for more information.

Application instructions: On wood: Mix the product very well before usage; Spray 2 coats of water-based sealer (YL.1150.00US), following the instructions of their own TDS; Dry, sand with 320 grit; Spray 1 coat of YOxx.1245.NTRUS.

	Thinning ratio %	Nozzle	Air pressure	Coating pressure
Conventional gun	-	1.8-2.2	30-40 PSI	--
Airless	-	308	-	120-150 PSI
Air mix	-	9.154	10-20 PSI	40-50 PSI

General remarks

- Mix well before use.
- If properly stored at temperatures between 5°C/41°F and 35°C/95°F, shelf life is 12 months (unopened).
- On application the temperature of the product, the substrate, the coating and the working environment should never fall below 15°C/59°F. Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved.
- Coating left overs (washing waters, waters from spray booths, used coatings) must be disposed of according to local regulations. Never dispose residues directly into drains.
- Application tools must be cleaned with water after use.



Renner USA Corp.
651, Michael Wyle Drive
Charlotte, NC 28217

YOxx.1245.SBNUS

Color System WB White Base for Topcoat xx Sheen

Main properties:

• Exceptional coverage	• User friendly application
• Superior hardness	• Excellent sheen uniformity
• Smooth finishing touch	• Interior use

Versions:

YO10.1245.SBNUS	10 gloss, white	YO30.1245.SBNUS	30 gloss, white		
YO20.1245.SBNUS	20 gloss, white	YO50.1245.SBNUS	50 gloss, white		

Recommended use:	• Furniture	• Doors	• Cabinets
Application method:	Spray		
Blending instructions	Can be crosslinked at 1% with YC.1402US or 5% with YC.1018US, can be diluted up to 10% water		

Chemical-physical properties (25 °C/77°F)

Solids content (%) by weight	44 ± 2
Solids content (%) by volume	35.5 ± 2
Specific gravity (g/cm ³)	1.189 ± 0.030
Viscosity 25°C/77°F	90 ± 2 Krebs Stormer KU

Application properties

Pot Life	4h (crosslinked)
Recommended N° of coats	1
Recommended quantity per coat (g/sm)	100-150

General remarks on the application system

Drying at 20°C/68°F and 45 – 65 RH%: 100 g/m ²		Forced drying: 100 g/m ²		
			Temperature	Time
Sanding	4 h	Flash Off	25°C/77°F	30 + 60 sec
Handling	2 h	Laminar air	60°C/140°F	5 min
Dust Free	45 min	Jet air	60°C/140°F	5 min
Stackable	24 h	Cooling	25°C/77°F	10 min

Substrate preparation Ensure the surface is clean and dry. Substrate must be free of grease, oil, dirt, fingerprints, and any other contamination to ensure optimum adhesion and coating performance properties.

Tinting Instructions: Use the dispensing system machine (Renner Color System).

Colorants and Limits: EY-M690/Colors.; Ratio: 100/5 (5%)

Gyroscopic shaker time: 10 min

See Basic Color System Guide for more information.

Application Instructions: On wood: Mix the product very well before usage; Spray 2 coats of water-based primer (YL.1150.02US or YL.1214.02US), following the instructions of their own TDS; Dry, sand with 320 grit; Spray 1 coat of YOxx.1245.SBNUS.

	Thinning ratio %	Nozzle	Air pressure	Coating pressure
Conventional gun	•	1.8-2.2	30-40 PSI	•
Airless	•	308	•	120-150 PSI
Air mix	•	9.154	10-20 PSI	40-50 PSI

General remarks

- Mix well before use.
- If properly stored at temperatures between 5°C/41°F and 35°C/95°F, shelf life is 12 months (unopened).
- On application the temperature of the product, the substrate, the coating and the working environment should never fall below 15°C/59°F. Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved.
- Coating left overs (washing waters, waters from spray booths, used coatings) must be disposed of according to local regulations. Never dispose residues directly into drains.
- Application tools must be cleaned with water after use.

EXTERIOR UV SOLUTION

RENNERPLAST

Professional Coatings for u-PVC & Vinyl

Factory-quality finish. Built for sun. Built to last.

Why Consider RennerPlast?



- Engineered for u-PVC and vinyl



- Excellent adhesion



- Flexible finish that moves with PVC



- UV & weather resistance



- Heat-management pigments for strong sun exposure



- Smooth, factory-style appearance



- Great option for dark colors on exterior PVC

When to Use It



- u-PVC windows & frames



- Exterior PVC doors



- Shutters, trim & architectural PVC



- Recoloring white or light PVC to darker shades



- Projects in high-sun environments like Southeast Florida



Why It Matters in South Florida

Strong sun and heat can create major surface-temperature buildup on PVC—especially with darker colors. RennerPlast is designed to help manage heat, weather and movement for better long-term performance.

Featured Product: 974

YO-XXU974 COL

2K water-based exterior topcoat for u-PVC



- Professional spray application
- Excellent adhesion to u-PVC
- High film hardness
- Good chemical resistance
- UV protection
- Available in 05, 20, 30 & 40 sheen



Quick Tip

Ask 3 questions before specifying:

1. Is it really u-PVC?
2. Is it exterior?
3. How much direct sun will it get?



Water-Based



Low VOC



Fast Drying



Professional Results

974 TOPCOAT



THE WATER-BASED 2K TOPCOAT FOR EXTERIOR PVC

OVERVIEW

Waterborne, two-component pigmented topcoat designed for exterior u-PVC doors and window frames. It provides excellent adhesion to u-PVC, high film hardness and good chemical resistance while incorporating UV-protection technology for exterior exposure.

RECOMMENDED USES

Exterior u-PVC doors, window frames and profiles. Suitable for both vertical and horizontal/flat surfaces and designed for spray application.

SHEEN OPTIONS

05, 20 & 40

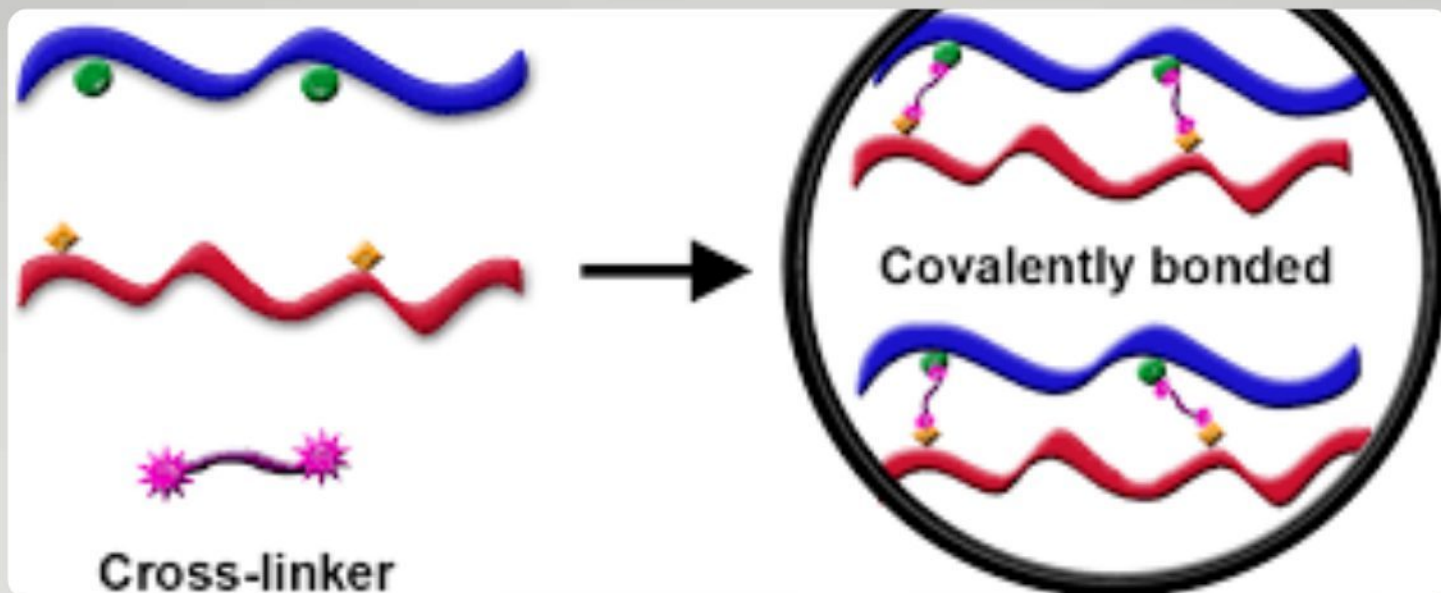
FEATURES & BENEFITS

- Two-component (2K) topcoat
- Catalyzes with 10% YC-M403 hardener
- Excellent adhesion to u-PVC
- High hardness of the dried film
- Good chemical resistance
- High UV protection
- Anti-heat pigment technology
- Reduce temperature solar exposure
- Use with exterior aluminum pastes
- Vertical and flat applications
- Spray application - airless or airmix
- Manual or automatic spray systems
- Approx pot life: 90 min at 68°F
- Most colors applied in a single coat (low-hiding colors may require two coats)

PRODUCT HIGHLIGHT

Great for projects where clarity and finish uniformity are the priority. M855 provides an exceptionally transparent, high-build finish that keeps the natural character of the wood visible while delivering a smooth, refined surface with excellent hardness and chemical resistance.

CROSSLINKER

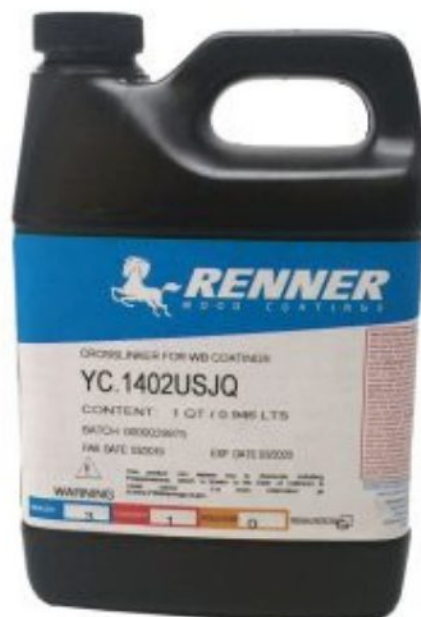


ADDITIVE FOR INCREASE PERFORMANCE

OVERVIEW

The crosslinker strengthens the coating by creating better adhesion, increasing the products hold out ability and improving its abrasion resistance.

1402



CATALYSTS



ADDITIVE FOR ALL MONO-BI & 2K PRODUCTS

OVERVIEW

IMPROVES PERFORMANCE FOR ADHESION, IMPROVES CHEMICAL RESISTANCE AND ABBRASION RESISTANCE.

M404



RECOMMENDED FOR USE
WITH ITALIAN MANUFACTURED
PRODUCTS.

1400



RECOMMENDED FOR USE
WITH USA MANUFACTURED
PRODUCTS.

RETARDANT



SELF-LEVELING ADDITIVE FOR BRUSH & ROLL

OVERVIEW

When added to your Renner coating, this water based retardant will improve the level of the coating and create the smoothest finish on your brush and roll applications.

1034



THE PAINT LINE PRODUCTS



The Right Tools Make All The Difference!

THE
PaintLine™

Increase your productivity by being efficient.

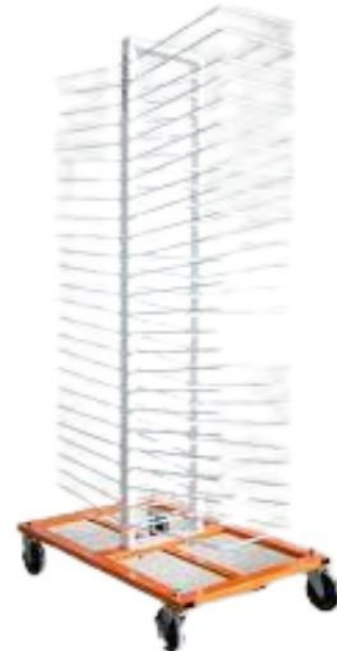
The Twirly Table

Place your cabinet on top of the twirly table. Using one finger just spin as you spray and get even full coverage in no time.



The Drying Rack

The perfect solution for drying a high volume of cabinets without taking up valuable space.



THE PAINT LINE PRODUCTS

Interior Door Spray & Dry Stand

Minimizes space required for spraying and drying and spray entire door from a stationary position.



Pro Drying Rack

Paint and dry cabinet doors in a vertical orientation with the least amount of effort and space.



Hinge Hooks

Hinge Hooks provides perfect and completely unmarred surface results. EFCs are placed in the cup holes and then fit over one of PaintLine's hangers for "all-sides" spraying and drying.



Wave Hangers

PaintLine's hangers for "all-sides" spraying and drying. up-hooks can also be screwed into the tops and bottoms of cabinet doors to be hung and sprayed.



SURFPREP SANDING



Prep for a perfect finish.



Sanding Systems and Solutions that bring you:

- Innovative Designs
- State of the Art Abrasives
- Ergonomic Sanders & Accessories
- Variety of Abrasive Options Including:
Foam, Film, Screen & Paper.
- Vacuum Compatible Sanders for Clean Sanding
- Fast Repair Service Provided by the Manufacturer

Visionary Award Winner for
"Product Innovation and Productivity in Sanding"

THE SURFPREP SANDER KIT

WHAT'S IN THE KIT



3" X 4" Electric Ray Sander

The technology behind this amazing tool will not only save you time but also money in both energy savings and maintenance. It comes with 3 speeds, greater torque, brushless and a computer board that will override when it senses too much pressure or heat! Should the tool safeguard itself and save you from unwanted performance and expense, simply recalibrate it in 30 seconds and your back on track.

Sander Recalibration Instructions (Make sure tool is unplugged and that all lights are off)

1. Hold down the - minus button on the sander
2. Plug cord into power outlet source while still holding onto the - minus button (do not release)
3. Tool makes 3 beeps, when this occurs, release the - minus button & immediately press & hold down the tool's lever
4. A long beep sound will occur, release lever when this long beep sound is produced. Tool is recalibrated.



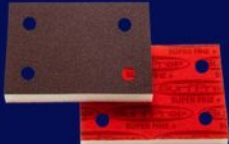
5mm Sanding Sponges

Excellent for *flat* scuff sanding. Although the abrasive may feel aggressive on the surface of the pad, the foam allows for gentle sanding without leaving deep scratches on the surface. This sponge is great for sanding raw wood surfaces as well as finished surfaces. This is not for contoured surfaces that you don't wish to flatten or break edges.



10mm Sanding Sponges

These dense foam pads will scuff sand both flat and soft profiles. They will scuff sand without leaving deep scratches when sanding into deeper angles and profiles. Examples of use would be in-side shaker door panels, beveled profiles on doors, sloped surfaces and curves.



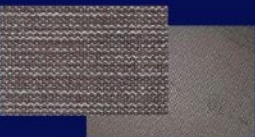
1/2" Sanding Sponges

Amazing ability to shape itself to curved & round profiles while scuff sanding. A must for all profiles that are hard to sand without flattening an edge. Because of its soft backing, the abrasive won't aggressively sand away deep scratches, rough profiles, etc. It is designed to ride the contour and scuff sand.



Film Sanding Sheets

These sheets are amazing for quick stock removal. This abrasive is made to attack those pesky gouges, saw marks, old finish, deep scratches or anything that requires removal quickly and easy. Because of the film backing it resists tearing and leaves a uniform scratch pattern. The white 'sacrificial stearate' prevents loading of material while sanding. Always use the *Pad Saver* when sanding with these sheets on your sander.



Screen Sanding Sheets

Screen abrasives are made with a strong polyester material that is durable and long lasting. The screen is full of tiny holes that is very effective for dust free sanding. It also keeps materials from loading up onto the abrasive sheet. This results in a very smooth sanding pattern on whatever surface you are sanding. This can be used for stock removal & stripping away old products like lacquer or stain. Always use the *Pad Saver* when sanding with these sheets on your sander.



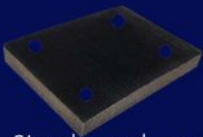
Paper Sanding Sheets

Paper backing provides enhanced support of grain and edge-wear for stock removal sanding, but at a less expensive cost than film or screen sheets. The grain provides a true, consistent & uniform scratch. Our innovative 'load-free' coating provides for a fast rate of cut and longer life. Always use the *Pad Saver* when sanding with these sheets on your sander.



Pad Saver

The pad saver is a thin shield. Like the name implies, it saves the red backup pad on your sander from premature wear, so the life of the velcro feet stays fresh and firm for excellent adhesion between the abrasive sheet & the tool. It also helps the tool glide softer on the surface when sanding. ALWAYS USE the pad saver when sanding with sandpaper (film, paper, & screen sheets).



Interface Pad

Simply and easily transforms your sandpaper's (film, paper, & screen) ability to cut and shape itself to the profile at hand. These are excellent to still have flexibility when the foam sponge's cut rate isn't enough. The interface pad can also be used with the sanding sponges when more depth or curve is needed. Soft contact ensures no damage to appearance and edges while still giving excellent performance of the abrasive.

FOAM CONVERSION CHART

Description	Grit	Scratch	Purpose
COARSE	36	60-80	REMOVES
COARSE +	46	80-100	REMOVES
MEDIUM	60	120-150	REMOVES
MEDIUM +	80	150-180	PREPARES
FINE	100	220-240	PREPARES
VERY FINE	150	280-380	FINISHES
SUPER FINE	180	450-600	FINISHES
SUPER FINE +	220	600-700	FINISHES

FOAM PADS

SurfPrep Foam Conversion Chart

RED ALUMINUM OXIDE

Description	Grit	Finish/Scratch	Purpose
Coarse	36	60-80	REMOVES
Coarse +	46	80-100	REMOVES
Medium	60	120-150	REMOVES
Medium +	80	150-180	PREPARES
Fine	100	220-240	PREPARES
Very Fine	150	280-380	FINISHES
Super Fine	180	450-600	FINISHES
Super Fine +	220	600-700	FINISHES

5mm sanding sponges – Awesome for FLAT scuff sanding. Although the abrasive may feel aggressive on the surface of the pad the magic is the gentle sanding it will provide without deep scratches left behind. This sanding sponge is great for sanding raw wood surfaces as well as finished surfaces. NOT for contour surfaces that you don't wish to flatten or break edges.

10mm sanding sponges – Magically can scuff sanding both flat and soft profiles. When depth and ease of slight angles and profiles are needed, these pads will scuff sand without leaving deep scratches. Examples of use would be inside shaker door panels, beveled profiles on doors, sloped surfaces and curves.

½" sanding sponges – Amazing ability to shape itself to curved and round profiles while scuff sanding. A must for all the rounds, curved profiles that are hard to sand without flattening an edge. Because of its soft backing, the abrasive will NOT aggressively sand away deep scratches, rough profiles, etc. It is designed to ride the contour and SCUFF sand NOT stock removal of chatter marks or old paint etc.

VACUUMS



Dual Air/Electric HEPA Vacuums



**Industrial Powder
Coated Stainless
Steel Power
Head**

**Automatic
On/Off Switch**

**Heavy gauge
stainless
steel handle**

Dual Air/Electric
2 air compressor couplers
for pneumatic tools

2 outlets for
electric tools

**Non-marring
latches for
positive seals**

**Self closing
vacuum port**

Can be used with 'Y'
Vacuum Adapter
(To run 2 sanders
from vacuum)

**15-Gallon
tough poly tank**

Lifetime Warranty

**Tough
8" tires**



- HEPA (High Efficiency Particulate Air) engineered to provide maximum protection from hazardous dust. Captures 99.9% of particles .03 microns & larger. Ideal for almost any material: (primer, paint, wood, etc.)
- Pre-Filters designed to prolong life of the HEPA filters. Provide protection from larger particles.
- Bag Filters- disposable, first stage of filtration. Intended for single use.
- Many vacuum hose options available (static conductive)
- Tough, impact resistant poly-tank withstands rough use & chemical/biological exposure.
- 2 electric outlets 2 HP power head (120VAC @ 11A)
- 2 pneumatic compressor couplers with a 'compressed air pressure gauge'

SANDER COMPONENTS



SURFPREP ELECTRIC SANDING SYSTEM

SurfPrep carries both air and electric sanders. Sanding systems are made with the sander of your choice & the abrasives/accessories. For information, visit our website or contact your local SurfPrep distributor.

DUSTLESS SANDING

Central Vacuum sanders pair with SurfPrep's Central Vacuum System for a clean sanding environment. SurfPrep Vacuum is a 15 gallon poly tank with a 20 year warranty.

BACKUP PAD

Low profile Hook & Loop for easy removal of foam and film abrasives
SPBP3X4-VAC

DENSE INTERFACE PAD

Designed to be used with either SurfPrep Film or Foam abrasives in order to reach down into deeper profiles. Available in 3 thicknesses for a variety of applications.

SPIP3X4F7MM, SPIP3X4F15MM
& SPIP3X4F20MM

FILM SHEETS

Aluminum Oxide Film backed abrasives are used for leveling & finish sanding. Provides consistent finish, faster cut, tear resistant edges, and overall longer life. Sacrificial stearate allows for minimal loading. (SP3X4HLF080-SP3X4HLF400)

10mm FOAM

10mm Red Aluminum Oxide Foam Hook & Loop pads are the ideal density for sanding profiles. Can be cut to fit different profiles & depths.
(SPRF10R-GRIT)

AWFS
Visionary
Awards
Winner —

3" X 4" ELECTRIC RAY CENTRAL VACUUM

SurfPrep's 3" X 4" Electric Ray is power packed with 3 speeds (4,000, 7,000 & 9,000 RPM). It's brushless outer-runner motor is constructed with bigger magnets, providing greater torque which saves energy compared to inner-runner motors. The tool's computer board is completely protected with a patented rubberized seal preventing environmental contamination. Patented spindle bearing fan enhances life by keeping motor & bearings at a lower temperature. Electric Ray Sanders have significant energy cost savings compared to pneumatic sanders as well as two override protection programs to enhance the life of the tool.

PAD SAVER

Designed to be used along with SurfPrep Film Cut Sheets. Enhances backup pad life and provides smooth, quick cutting operation.
SPPS3X4-VAC

SOFT INTERFACE PAD

Designed to be used with SurfPrep Film Cut Sheets in applications where profiling is necessary along with stock removal. SPIP3X4

1/2" FOAM

1/2" Red Aluminum Oxide Foam Hook & Loop pads are excellent for preparing surfaces that require soft flexibility in order to ride over profiles and not cut or burn through finishes (SPRFHR-GRIT)

5mm FOAM

5mm Red Aluminum Oxide Foam Hook & Loop pads are most popular in preparing surfaces that require consistent, even cutting, flat sanding. Great for scuff sanding into corners and opposing edges or sides.
(SPRF5R-GRIT)

www.SurfPrepSanding.com

THE ELECTRIC RAY

3" X 4" ELECTRIC SANDER



Override Protection Programs

'Down-Force Overload System' - Protects tool from excessive pressure and weight by shutting off.

'Temperature Over-heat System' - Monitors temperature of internal electronic systems and will shut down tool until it is cool enough to prevent internal damage.

Specifications

Length: 7" Width: 2.5" Height: 4"
12 Foot Long Cord / 1.4 Pounds

Portable

Sand on-site or in a production environment. Plugs directly into standard 110 volt outlet. Compact and lightweight.



Dust Free Sanding

Available in Central Vacuum which connects to a stand alone vacuum system.

More Power

350 watt brush-less outer-runner motor is constructed with bigger magnets providing greater torque which saves energy compared to inner-runner motors.



Speeds

3 operational speeds:
4,000, 7,000 & 9,000 RPM.

Cutting-Edge Design

Low-profile design with ergonomic hand grip for enhanced control and comfort for both right & left-handed operators. Balanced wrist support for two-handed sanding.

Cooling Fan

Patented spindle bearing fan enhances life by keeping motor & bearings at a lower temperature

Longer Life

Computer board completely protected with patented rubberized seal preventing environmental contamination. No lubrication required and maintenance free.

Certified Tool Repair

Qualified service technicians & All OEM parts available.

3" X 4" Electric Sanders

ELECTRIC RAY

THE TRIDENT AIR

5" & 6" ORBITAL AIR SANDER



Cutting-Edge Design

Low-profile design with ergonomic hand grip for enhanced control and comfort for both right & left-handed operators. Balanced wrist support for two-handed sanding.

Longer Life

Powerful industrial grade .28 HP (209 Watt) motor, hardened steel motor assembly cylinder and end plates.

Cooling Fan

Patented spindle bearing fan enhances life by keeping motor & bearings at a lower temperature

Technical Info

12,000 RPM
90 PSA
3.4 CFM
17 SCFM

Smart Design

360 degree exhaust grate allows operator to redirect air flow. No external cap/filters to lose or damage. New technology prolongs tool life



Speed Control

Redesigned, low profile speed control

Specifications

5" 1.6 lbs H: 3.3" L: 5.8"
6" 1.7 lbs H: 3.3" L: 6.3"

Orbits

3/16" for more aggressive 'level' sanding
3/32" for less aggressive 'finish' sanding

Dust Free Sanding

Available in Self Generate Vacuum (SGV)
& Central Vacuum (CV)

Certified Tool Repair

Qualified service technicians available.
All OEM parts available.



SGV connects to personal vacuum system



CV connects to a stand alone vacuum system

5" & 6" Air Sanders



THE TOOL BOX

SYSTAINER T-LOC II



SurfPrep's Systainer® T-Loc II Tool Box System is stackable and able to connect with Classic-Line and T-Loc Systainer® Systems for safe packaging of tools and other working materials. This tool box is ideal for staying organized and saving time while traveling between job sites.



Pictured: 3" X 4" Sanding System Kit Foam Cutout

This box has a foam cutout for one 3" X 4" sander (electric or air). There are multiple slots/cutouts available for keeping film, foam & paper abrasives organized.

*Toolbox does not include sander/abrasives

Available Toolbox Foam Insert Options:

SPTOOLBOX-3X4: cutout for (1) 3" X 4" sander (electric or air) This option has slots available for keeping your film & foam abrasives organized.

SPTOOLBOX-DOUBLE3X4 - (2) 3" X 4" sanders (electric or air)

SPTOOLBOX-5 - (1) 5" sander (electric or air)

SPTOOLBOX-DOUBLE5 - (2) 5" sanders (electric or air)

SPTOOLBOX-COMBO - (1) 3" X 4" sander & (1) 5" sander (electric or air)

TOOL BOX Systainer® T-Loc II

SIZE: 15⁹/₁₆" width X 11⁵/₈" length X 6³/₁₆" height
(396 x 296 x 157.5mm) WEIGHT: 3.3 lbs (1.5 kg)



Pairs with other Systainer® systems!