



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 or refer to our 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 M457	0,1 - 0,5	25 - 125