



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

YO-xxM838

Waterborne self sealer for parquet flooring

Main properties:

<ul style="list-style-type: none"> • Excellent wear resistance • Not yellowing • With PU resins 	<ul style="list-style-type: none"> • Excellent flow ability • Long pot-life (4 hours)
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Versions:

YO-20M838	20 gloss - Clear	YO-50M838	50 gloss - Clear	YO-80M838	80 gloss - Clear
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Recommended use:	• Parquet
Application method:	Manual roller or brush.
Blending instructions	It may be used as mono-component product . ready to be used. If used as two-component and by brush application: blending at the ratio of 10% with YCM403 If used as two-component and by roller application: blending at 5-10% ratio with tap water or AYM450 (summer season) . Alternative hardeners: at 10% ratio YCM402 or YCM400 (coat will be slightly more matt)

Chemical-physical properties (23 °C)

Solids content (%)	30 ± 1
Specific gravity (g/cm ³)	1,030 ± 0,030
Viscosity DIN 4 (s)	20 ± 5
Viscosity Brookfield (mPas)	-
pH	7,0 - 8,0

Application properties

Vertical application (wet µm)	-
Recommended N° of coats	2 - 3
Recommended quantity per coat (g/m ²)	min: 60 max: 100
Interval between coats	2 h
Spreading rate (m ² /litre)	10 - 18

General remarks on the application system

Drying at 20°C and 45 – 65 RU% : 80 g/m²	
Dust free	60 min
Handling	90 min
Over-coating	4 h
Stepping time	24 h
Sanding time	16 h

Forced drying: 80 g/m²		
	Temperature	Time
Flash Off		
Laminar air		
Cooling		
Stackable		
Sanding time		
Over-coating		

Substrate preparation: Clean well the surface, removing all traces of oil, wax and resins. Fill up any scratches as well as the joint parts with the filler YL---M574, which must to be blended with saw dust. Once drying is completed, sand the piece (using 100-150 paper grit) which will have to have no signs of oiling, waxiness or cissing. Vacuum clean before starting the varnishing cycle. In case application must be done on stained material, low-solubility stains must be uses such as the ones of the **TY M003** series to avoid excessing basecoat shrinking. It is recommended to use the specifically for laminate **YL M574** hardened at 4% with **YC M403** (see technical data sheet of the product).

Application instructions:

By brush application: The first coat should be thinned at the ratio of 5% with tap water. In summer season we recommend to replace tap-water with water based retardant **AY M450** to improve application and flowing. After 4 hours, manually sanding with 150-180 paper grit, or with mechanical method with 180-220 paper grit. Clean the surface and applied second coat (product shall be blended at 10% with YC M403 under stirring), after 2-4 hours applied third coat of product . Sanding between second and third coat is not required .

The use of the basecoat YL---M574 as first coat reduces the solubilisation of resins and oil contained in some wood (iroko, merbau)..

By roller application: the same instructions except for using AYM450 at 5-10% for all application steps.

Restoring already treated flooring: you case you need to re-coat a pre-treated floor with other varnishes (old flooring with paints of unknown nature or water-based paint left to dry for more than 24 hours), the use of a hardener is mandatory.

Catalysis (hardening): the water-based self-sealer **YO xxM838** is usable for about 4 hours after being hardened (catalysis), after which time it needs re-preparation. When it's used as a mono-component, the product's performance is reduced to medium and it is therefore recommended to utilize it only on low-walking floors.

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 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 5 litres
Improve the flow ability	AY--M450	2 - 10	100 – 500
Eliminate cissing and scratching	AY M457	0,2 - 1	from 10 to 50