TECHNICAL DATASHEET **Version 02 of 17/07/2018**

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YL M543/ C02

Pigmented WB primer by spray

Main features of the product:

• **For MDF and masonite**	• **Quick drying time**
• **High build**	•

Versions:

C02	**White**				

Recommended use:	• MDF elements	•	•
Application method:	Spray: conventional air gun, airless		
Product preparation:	Ready to use. If necessary, dilute with tap water up to 10%.		

Chemical-physical characteristics (23 °C)

Solid content (%)	55 ± 1
Specific weight (g/cm^3)	1,360 ± 0,060
Viscosity DIN 6 (s)	30 ± 5
pH	between 8 and 9

Application characteristics

Vertical application (wet µm)	--
Recommended N° of coats	from 1 to 2 coats
Recommended quantity per coat (g/m^2)	min: 80 max: 150
Interval between coats	2 hours
Spreading rate (m^2/litri)	from 16 to 32

General remarks on coating system

Drying at 20°C and UR% between 45 and 65: 100 g/m^2	
Dust free	10 minutes
Handling	30 minutes
Over coating	4 hours
Stackable	4 hours

Forced drying: 100 g/m^2		
	Temperature	Time
Forced air	40 °C	4 minutes
Cooling	20 °C	30 seconds
Stackable	All'uscita del forno	
Overcoatable	All'uscita del forno	

Substrate preparation: Carefully clean the wood surface, which has to be free from grease, wax or resins. It is important, in order to reduce MDF fyber swelling,that the milling tools are well sharped and, if possible, brushed or sanded with paper grit grains 220 – 240.

Wood species: some wood species such as: oak, acacia, ash …, contain pigmented extractive substances soluble in water that can stain the white basecoat and the waterborne topcoat if these are applied in more than one coat. These essences can then be pigmented if below **YL M543/C02** a specific primer has previously been applied, such as **YL M602/ C02 or clear** hardened at 10%with **YC M402**. **YL M543/C02** can be used as basecoat if the pigmented topcoat is PU-based or if the essence to be treated is free from extractives.

Application: Dilute the product in water at the appropriate percentages in order to let to the application system the chance of the application of a maximum weight of 150 g/mq.
Caution: the primer **YL M543/C02**, if applied in high quantities, may have poor adherence to the support. Avoid the product accumulation and verify the adhesion to the support in case of not much absorbing material.

Overcoating: The waterborne basecoat **YL M543/ C02** is not easily sandable with automatic sanding machine and it can only be brushed with flaps or abrasives that don't heat the surface of the piece; neverthless, it can be easily overcoated with waterborne products for interiors as well as with PU coatings.. We do not recommend overcoating with redox PE based products.

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 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 per 25 liters**
…prolong basecoat's drying time	**AY M444**	1 - 2	250 - 500
…eliminate craters / cissings	**AY M457**	0,2 - 1	50 - 250
…accelerate drying time	**AY M408**	0,5 – 1	125 - 250

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