

AQUIMAX FLAMESHIELD COLOURED

HEALTH AND SAFETY DATA SHEET

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

Revised Date: 18/07/2025

Version: 1

Norm	Country	Class	Certification/Approvals	Substrate
EN 13501 - 1	EU	B - s2, d0	Classification report no 422577 of 11/11/24	Wood Multilayer, MDF, MDF Veneered, Chipboard, Solid Wood and all wooden supports classified in class D-s2,d0 or higher of Walls and Ceilings
ASTM-E84	U.S.	B	Classification Report no. 2200.2AS0840/22 Rev.1 del 01/02/23	Spruce Plywood for walls and ceilings

Water Basecoat Versions	Water Clear Topcoat Versions		
AFS3501	Colorless	AFS3400M	10 Gloss
AFS3501C	White	AFS3400S	30 Gloss
AFS3500	Clear	AFS3400SG	50 Gloss

Recommended Use	Wall, ceiling and coverings
Application Method	Manual roller, brush, curtain coater and spray airmix

Chemical-physical characteristics (23 °C):

General information on the application system:

Drying at 20°C and UR% between 45 and 65:

150/200 g/sqm:

	AFS3501C	AFS3400		Aquimax Flameshield colour
Solid content (%)	50±1	20±1	Dust free	30 minutes
Specific Gravity (g/cm3)	1,140	1,040	Touch free	60 minutes
Viscosity (sec.)	DIN 8 = 18"	DIN 6 = 18"	Overcoating	4 hours
Pot-life	-	-	Sandable	6 hours

APPLICATION SYSTEM in order to obtain Class B-s2,d0 of Reaction to Fire in accordance to EN 13501-1

Substrate Preparation:	Clean the surface and sand with 120-150 grit sandpaper completely removing the old coating film.		
Basecoat preparation for the application:	Mixing by weight		
	Water Colorless Basecoat	AFS3501C or AFS3500	97%
	+ Pigmented water-based pastes	J0400	max 3%
	Water White Self-sealer +	AFS3501C or AFS3500	99%
	Pigmented water-based pastes	J0400	max 1%
Topcoat preparation for the application:	Mixing by weight		
	Water Clear Topcoat	AFS3400	100%
	Hardener	AFS3400CAT	20%
Basecoat preparation for the application:	Dilute from 1% up to 10% with water. In any case the amount of product to be applied should be recalculated based on the dilution to fit within the certified weight.		
Application Method:	Manual roller, brush, curtain coater and spray airmix		

DATA PROVIDED ON THIS TECHNICAL DATA SHEET CORRESPOND TO OUR BEST KNOWLEDGE AND EXPERIENCE. HOWEVER THE RESPONSIBILITY OF FINAL RESULTS OF COATING SYSTEM RESTS ENTIRELY WITH THE USERS, WHO SHALL MAKE SURE THAT THE PRODUCT IS IN COMPLIANCE WITH THE REQUIREMENT OF THE APPLICATION SYSTEM, THE SUBSTRATES USED AND THE WORKING CONDITIONS.

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Product application:	<p>Apply 2 coats of Aquimax Flameshield Coloured AFS3501C spreading rate weight 120 g/sqm \pm 10% manual sanding with 240/320 grit sandpaper after at least 4 hours between the coats. Drying time at least 6 hours; manual sanding lightly with 320 grit sandpaper. Apply 1 coats of topcoat AFS3400 with spreading rate weight 100 g/sqm \pm 10%. Between the two coats sand lightly with 320 grit sandpaper Total weight to be applied: 340 g/sqm \pm 10%. Note: if thinning Aquimax Flameshield the % needs to be applied with extra film weight to achieve specification</p>
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MAINTENANCE

Surface can be cleaned with mild detergent and wet cloth, dry thoroughly after cleaning.
To keep the product certificate, it is recommended that you periodically check the condition of the coating film. If the support must be restored, apply the same approved amounts.

Warning! The product is very sensitive to low temperatures

- The **AFS3501C** basecoat may settle if stored or transported at temperatures below 10°C.
- Even during the application and drying cycle, it is necessary to maintain an ambient temperature of not less than 15°C, taking care not to exceed the indicated weight per coat, otherwise the drying time may be considerably longer, and the chemical, mechanical resistance and transparency characteristics may be below standard.

General information for water system

- Always mix the product well before use.
- Coating left over (washing water, water from spray booths, used coatings) must be disposed of according to local regulations. Never dispose of residues directly in the sewerage system.
- Application tools must be cleaned with water after use. When dry films must be removed, use detergent, letting it work overnight and then rinse with water.
- After long storage periods, always check for any presence of sediment at the bottom of the container and homogenize the product well before use.
- It's also possible to pigment the water-based topcoats with small percentages of pigmented paste of the J0400 series from 1% to 3%
- Do not store below 5°C.
- In some environmental conditions, the product can develop some sensitivity to moisture. Avoid using it in very damp premises.
- After applying the basecoat it is recommended, in case of stacking, to use between the panels, a PE-HD film with a thickness equal to or greater than 1mm.
- Always check that the drying is correct before packing the painted item.
- The sanding of the basecoat must always be manual, avoid using of mechanical belt or roller sanders.
- The regulation provides for the application of fire-retardant products even on surfaces that are not on sight as is the case if there is air gap between the artefact and the wall

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