

# AQUIMAX FLAMESHIELD COLOURED TOPCOAT

## 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

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Code</b>	AFS3400S
<b>Product name</b>	AQUIMAX FLAMESHIELD COLOURED TOPCOAT
<b>Relevant identified uses of the substance or mixture and uses advised against</b>	TWO-PACK FIRE-RETARDANT WATERBORNE TOP COAT
<b>Name, Address, Telephone Number of the chemical manufacturer</b>	Ultrimax Coatings Ltd Shaw Lane Industrial Estate, Ogden Road, Doncaster, DN2 4SE 01302 856666
<b>Emergency phone number</b>	01302 856666

<b>Norm</b>	<b>Country</b>	<b>Class</b>	<b>Certifications/Approvals</b>	<b>Substrates</b>
EN 13501-1	EU	B-s1,d0	Classification Report no 430005 of 23/06/2025	Wood Multilayer and MDF Veneered for Walls and Ceilings

<b>Self Sealer Versions</b>	<b>Topcoat Versions</b>	<b>Sheen Levels</b>
AFS3500 Clear	AFS3401M	Matt 10%
AFS3501 White	AFS3401S	Satin 30%
	AFS3401SG	Semi Gloss 50%

<b>Recommended Use:</b>	Wall, ceiling and coverings
<b>Application Method:</b>	Manual roller, brush, curtain coater and spray

#### Chemical-physical characteristics (23°C):

	<b>AFS3500</b>	<b>AFS3401</b>
<b>Solid content(%)</b>	60±1	20±1
<b>Specific Gravity (g/cm3 )</b>	1,200	1,040
<b>Viscosity (sec.)</b>	DIN 6 = 20"	DIN6=18"
<b>Pot-life</b>	-	2 hours

**General information on the application system: Drying at 20°C and UR% between 45 and 65: 150/200 g/sqm:**

	<b>Drying Times</b>
Dust free	30 Minutes
Touch free	60 Minutes
Overcoating	4 Hours
Sandable	6 Hours

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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### APPLICATION SYSTEM in order to obtain Class B-s1,d0 of Reaction to Fire in accordance to EN 13501-1

<b>Substrate Preparation:</b>	Clean the surface and sand with 120-150 grit sandpaper completely removing the old coating film.
<b>Basecoat preparation for the application:</b>	Aquimax Flameshield clear basecoat <b>AFS3500</b>  Aquimax Flameshield White primer <b>AFS3501</b>
<b>Topcoat preparation for the application</b>	Aquimax Flameshield Topcoat <b>AFS3401 100%</b>  Aquimax Flameshield Hardener <b>AFS3400CAT 20%</b>
<b>Basecoat preparation for the application</b>	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.

<b>Product application:</b>	Apply 2 coats of <b>Aquimax Flameshield White Primer AFS3501 OR Aquimax Flameshield Clear Basecoat AFS3500</b> spreading rate weight <b>120 g/sqm ± 10%</b> sanding with 240/320 grit sandpaper after at least 4 hours between the coats. Drying time at least 6 hours; sanding lightly with 320 grit sandpaper. Apply 1 coats of <b>Aquimax Flameshield Topcoat AFS3401</b> with spreading rate weight <b>100 g/sqm ± 10%</b> . Between the two coats sand lightly with 320 grit sandpaper Total weight to be applied: <b>340 g/sqm ± 10%</b> . Note: if thinning the % needs to be applied with extra film weight to achieve specification
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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.

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### General information for water system

- Always mix the product well before use.
- On application the temperature of the product, the support and the environment should never fall below 15°C.
- Coatings applied at lower temperatures will have lower chemical and mechanical properties compared to the standard performance that can be achieved in normal conditions.
- 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.
- After long storage periods, always check for any presence of sediment at the bottom of the container and homogenize the product well before use.
- 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.
- The regulation provides for the application of fire retardant products even on surfaces that are not on sight as is the case if there are air gap between the artefact and the wall

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