

Technical Data Sheet

AUL3361/13 White water based primer

DATE 30.5.13 revision 0

Water based white primer for interior furniture and fittings

- Suitable for use on MDF
- Fast Drying
- Excellent Stackability
- Overcoatable with Acid Catalysed topcoats

Area of use:	Interior MDF and other board materials.
Method of use:	Airmix, airless, conventional spray guns and by curtain coater
Mixing procedure:	Product is supplied Ready for Use.

Technical Characteristics

Solids content (%):	58 ± 1
Specific Gravity (kg/l):	1.430
Viscosity Din 4 at 23°C	60-70 seconds
VOC (g/L)	25

N.B.: DATA PROVIDED ON THIS TECHNICAL DATA SHEET CORRESPOND TO OUR BEST KNOWLEDGE AND EXPERIENCE. WE ASSURE CONSISTENCY ON THE CHEMICAL-PHYSICAL CHARACTERISTICS OF OUR PRODUCTS, WITHIN THE TOLERANCE LIMITS SPECIFIED ON OUR TECHNICAL DATA SHEETS. RESPONSIBILITY OF FINAL RESULT OF PRODUCT APPLICATION IS FULLY UP TO THE USERS, WHO SHALL MAKE SURE THAT THE PRODUCT CORRESPONDS TO THEIR OWN NEEDS WITH REGARD TO APPLICATION SYSTEM, TO SUBSTRATES USED AS WELL AS TO WORKING CONDITIONS.

WARNING: ACTUAL VISCOSITY OF SOME PIGMENTED AND/OR THIXOTROPIC PRODUCTS MAY DIFFER FROM THE VISCOSITY SHOWN ON THE TECHNICAL DATA SHEET. DIFFERENCES ARE TO BE REGARDED AS ACCEPTABLE IF WITHIN 30% MAXIMUM.

General Characteristics

Temperature for use	15-25°C
Recommended application weight (g/m²):	90-150 per coat
Drying time (100 g/m² at 20°C):	15-30 minutes
Drying time (100 g/m² at 50°C):	After an initial leveling/flash-off period: 5-8 minutes. Do not stack until surface temperature drops below 30°C
Number of coats:	Best results obtained by application of 2 coats with an intermediate sanding between coats.
Shelf-life(months):	6 months
Clean-up	Use potable water at 15-25 C.
Spreading Rate (150 g/m²)	5-6 m²/L

Substrate preparation:

For wooden internal furniture:

The substrate should be clean, dry, and free from dirt, dust and grease.

Sand using 180 grit abrasive paper.

Fill in any surface defects with e.g. Sayerlack Multi Purpose Wood Filler

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General Characteristics Cont.

Special instructions

Stir the product well before use

Can be used on solid timber species after validation.

Even though the intended spray equipment may have employed a waterborne product previously it is important that the system is flushed thoroughly before and after use.

Product ref XA4060 is recommended as an additional flushing agent to ensure unnecessary cross contamination with other products

Application:

By spray (airless, airmix or conventional) both horizontally and vertically.

The following are some guidelines:

1. Conventional spray: 1.9 mm nozzle, pressure: 3-4 bar
2. Airmix: 11 mm nozzle, pressure of coating: 80-100 bar; air pressure: 1-2 bar
3. Airless: 11 mm nozzle, pressure of coating: 150-200 bar
4. The use of a pre-atomizer and/or of a pre-heater (30-35°C) has given excellent results in terms of flow and consistency.

If application equipment is not in perfect condition (defective gaskets, too high pressure, etc) they may cause major defects in the coatings film (e.g. air bubbles).

Drying:

Waterborne products must be dried in rooms with temperatures no lower than 15°C relative humidity no greater than 70%. Outside this range drying is slower and/or the film is formed with poorer hardness and chemical resistance. For good drying it is advisable to use a forced flow of dry air initially at room temperature and subsequently at 35°C.

Important Information:

- Do not store the product at temperatures lower than 5°C or higher than 35°C.
- Coating residues must be disposed of in accordance with current legislation. Do not pour residues down drains.
- In view of the wide variety of materials used for finishing, when switching from a solvent based to a waterborne coating system it is always advisable to contact your suppliers' technical departments to check whether your equipment and components are. In particular, check: electrostatic guns, pumps, seals, silicones, glues, booth treatment water products and packaging materials.
- Once the can has been opened, the waterborne coating may occasionally degrade due to attack by bacteria, moulds and fungi commonly present in the air. This phenomenon is easily detectable because of the bad smell, increase of viscosity, mould on the surface and change of colour. This problem may occur if product is left for a long time in vessels for dipping or flow coating application, mainly during summertime. The use of tap water, frequent cleaning of the plant (possibly with disinfectant solutions) and the periodic addition of XA 4051 bactericide (0.2-0.2%) will inhibit bacterial spoilage.
- Advice provided in our technical data sheets are the result of our own application experience with available substrates. We strongly recommend that customers check the suitability and compatibility of the products prior to full scale use.

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