Technical Data Sheet NR 9156

TRANSPARENT WATER BASED BICOMPONENT POLYURETHANE MATT TOP COAT

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PRODUCT: AO470 TRANSPARENT WATER BASED BICOMPONENT POLYURETHANE MATT TOP COAT

DESCRIPTION: transparent matt water based polyurethane anti-yellowing paint, suitable for top coats on furniture and fittings for indoors

USE: furniture and fittigns for indoors.

SPECIFICATIONS OF SUPPLIED PRODUCT

Physical state:	milky liquid
Solid content %:	33.5 ± 2
Gloss:	25 ± 3 gloss
Minimum temp. of film formation:	10 °C

SUBSTRATE: water and solvent based polyurethane base coats, polyester base coats, UV base coats, sanded with spaced grain 280/320 paper

APPLICATION: by spray with normal spray guns (airless, airmix, pneumatic). Due to the high viscosity of the product atomisation should be improved by using smaller nozzles than those usually used with solvent based products.

HARDENER: catalyse at 10% in weight with CA500.
Alternatively if it is necessary to have quicker drying it is possible to catalyse with CA500R.
If a longer pot life and easier incorporation is necessary it is possible ot catalyse with CA508, but in this case the chemical-physical characteristics of the film of paint will be slightly inferior. It is possible to catlayse with CA501, but in this case the gloss will be less, and there will be a slight reduction in transparency.

DRYING:

Touch dry:	60-90 minutes at 25°C and 60% R.H.
Stackable:	vertically after 24 hours at 25°C and 60% R.H.

DILUTION: with water up to 15% in weight on the total of mixture A+B
QUANTITY TO APPLY: 70-130 gm²
NUMBER OF COATS: maximum 2
INTERVAL BETWEEN COATS: from 1-3 hours at 20°C

POT LIFE at 20°C: 4 hours at 20°C catalysed at 10% with CA500, diluted at 10%

EXAMPLES OF PAINTING CYCLE:
Open pore cycle on stained ash at 25°C and 65% R.H.:
1) Spray application of water based stain from the CNA series. Drying for at least 3-4 hours.
2) Application of FA42-CA500 at 10% diluted at 10% with water, quantity 130 g/m², drying for 3-4 hours, light manual sanding with spaced grain 320 paper.
3) Application of matt top coat AO470-CA500 at 10%, diluted at 10% with water, quantity 120 g/m².

STORAGE INFORMATION: store at temperatures above 5°C and below 35°C

SHELF LIFE AT 20°C: 6 months in correctly stored unopened tin

NB:
- Apply AO470-CA500 in temperatures above 15°C and maximum 65% R.H.
- AO470 can be catalysed at 9,5% in volume with CA500. Before adding the catalyst check that there is no air in the AO470 which could falsify the catalysis ratio.
- Do not use preheaters as this would noticeably reduce pot life.
- Do not use after 4 hours from mixing, even if the product still seems usable.
- Can be coloured with our water based CNA series concentrates (max.5%).

SPECIFICATIONS OF SUPPLIED PRODUCT

CHARACTERISTICS	UNITS	VALUE	METHOD
Specific gravity at 20°C:	g/ml	1.04 ± 0.05	MP01
Visc. Iso C. 6 at 20°C:	sec	105 ± 15	MP04

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Fineness:	µm	25 max.	MP12
pH value:	/	7.2 ± 0.5	MP13

The quality control value of the viscosity refers to the product immediately after checking. Any variations of the data specified in the technical data sheet could be due to circumstances such as length and conditions of storage.

Always verify the suitability of the product for the job to be done before application. We can not accept responsibility for the outcome.

The information contained in this technical data sheet, as well as any verbal information, is given to the best of our knowledge. We do not accept responsibility for obsolete or incorrect information. The information is to be considered obsolete when a new technical data sheet is issued. Please feel free to contact us to request the latest edition.

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