

Technical Data Sheet NR 10365

TRANSPARENT MONO/BICOMPONENT WATER BASED POLYURETHANE MATT TOP COAT

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PRODUCT: AO275G20 TRANSPARENT MONO/BICOMPONENT WATER BASED POLYURETHANE MATT TOP COAT

DESCRIPTION: transparent matt anti-yellowing water based top coat suitable for coating indoor furniture

USE: indoor furniture and fittings

SPECIFICATIONS OF SUPPLIED PRODUCT

Physical state: milky liquid
Solid content %: 32±2

Gloss: 20±3 gloss
Minimum temp. of film formation: 15 °C

SUBSTRATE: water based mono/bicomponent base coats, solvent base coats all suitably sanded with spaced grain 280/320 paper.

APPLICATION: by spray with normal systems (airmix, HVLP, pneumatic). The use of electrostatic systems is advised because air could remain trapped in the dried film of paint, which would reduce transparency.

HARDENER: at 10% in weight with CA500. Dispersion should be done mechanically.
If quicker drying is required it is possible to catalyse with CA500R.
If longer pot life is required, and simpler incorporation, it is possible to catalyse with CA508, but in this case the chemical-physical characteristics of the film of paint will be slightly inferior.
Catalysing with CA502 pot life will be shorter.

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
QUANTITY TO APPLY: 80-130 g/m²
NUMBER OF COATS: maximum 2 coats
INTERVAL BETWEEN COATS: wait minimum 1 hour, maximum 4 hours at 25°C and 60% R.H.
POT LIFE at 20°C: 4 hours at 20°C catalysed at 10% with CA500, diluted at 10% with water

EXAMPLES OF PAINTING CYCLE:
Spray application of stain from the CNA series.
Drying at 25°C for 3-4 hours
Application of one coat of water based base coat FA44/CA508 diluted at 5% with water (130 g/m²)
Drying for 3-4 hours at 25°C and 60% R.H., and light sanding with spaced grain 320 paper.
Application of top coat AO275G20, catalysed at 10% with CA500 and diluted at 10% with water, 130 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:
do not use at temperatures below 15°C
mix well before use
if used as a bicomponent do not use preheaters
do not use after 4 hours from catalysis, even if the product still seems applicable.

SPECIFICATIONS OF SUPPLIED PRODUCT CHARACTERISTICS UNITS

CHARACTERISTICS	UNITS	VALUE	METHOD
Specific gravity at 20°C:	g/ml	1.03 ± 0.05	MP01
Visc. F.C. 4 at 20°C:	sec	130 ± 10	MP04
Fineness:	µm	20 max.	MP12
pH value:	/	7.3 ± 0.3	MP13

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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.