

SIGMA ENAMEL SA 21

2 pages

March 2002

DESCRIPTION

high gloss alkyd finish coat

PRINCIPAL CHARACTERISTICS

- suitable for interior and exterior use
- easy application by brush with excellent flow
- good weather resistance
- high opacity
- good colour retention
- gas proof; no discolouration with sulphur dioxide
- can be applied over intact alkyd paints
- certificate for low flame spread; see sheet 1883
- not suitable for immersion in or continuous splash of water

COLOUR AND GLOSS

white (other colours available on request)- gloss

BASIC DATA AT 20 °C

	colours	white
Mass density	approx. 1.0 - 1.2 g/cm ³	approx. 1.2 g/cm ³
Solids content	approx. 47 – 50% by volume	approx. 50% by volume
Recommended dry film thickness	35 µm	35 µm
Theoretical spreading rate	13.4 – 14.3 m ² /ltr for 35 µm	14.3 m ² /ltr for 35 µm
Touch dry after	3 hours	3 hours
Overcoating interval	min. 16 hours max. no limitations	min. 16 hours max. no limitations
Shelf life (cool, dry place)	24 months	24 months
Flashpoint	39 °C	39 °C

RECOMMENDED SUBSTRATE CONDITIONS

- previous suitable coat, e.g. Sigmacolor Undercoat or Sigma Zinc Chromate SA 40, dry and free from any contamination
- substrate temperature should be at least 3 °C above the dew point

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INSTRUCTIONS FOR USE

- stir well before use
- the paint temperature should be above 15 °C otherwise extra thinner may be required to obtain application viscosity
- too much solvent will result in lower sag resistance

AIRLESS SPRAY

Recommended thinner	Sigma thinner 20-05 (flashpoint 38 °C)
Volume of thinner	8 – 12%
Nozzle orifice	approx. 0.33 mm (0.013 inch)
Nozzle pressure	120 bar (approx. 1700 p.s.i.)

AIR SPRAY

Recommended thinner	Sigma thinner 20-05 (flashpoint 38 °C)
Volume of thinner	20 – 25%
Nozzle orifice	1.8 – 2.0 mm
Nozzle pressure	3 – 4 bar (approx. 43 – 57 p.s.i.)

BRUSH AND ROLLER

Recommended thinner	Sigma thinner 20-05 (flashpoint 38 °C)
Volume of thinner	0 - 3 %

CLEANING SOLVENT

Sigma thinner 20-05 (flashpoint 38 °C)

SAFETY PRECAUTIONS



see safety sheets 1430, 1431 and MSDS 0649 for information on LEL and TLV values

REFERENCES

explanation to product data sheets on information sheet 1411

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