

Matrix PREMIUM Topcoat Technical Datasheet



DESCRIPTION SPECIFICATION

Unsaturated polyester resin in styrene monomer Monomer
Grey Pigmented Liquid
Medium Reactivity
Pre-Accelerated
Low Styrene Emission
S.G. 1.12

SPECIFICATION

HIDE Complete at 500 micron
Appearance Grey Thixotropic Liquid

APPLICATION

Hand Laminating (Roofing) Target Gel Time - 20 minutes

TYPICAL PROPERTIES

25°C, 1.8% MEK Peroxide
Gel Time 8-13 minutes
Shelf Life 6 months
Viscosity 25°C (Brookfield) 4000-8000cP
Spindle 04 @ 5rpm
Gel time will vary depending on grade

CHARACTERISTICS

Medium chemical resistance
Medium heat resistance >100°C Resilient
High Elongation >3%

USE AREAS

Roofing

CATALYST (MEKP)

Curox M400 Andenox KP-9 Butanox HBO50 Butanox LPT

HANDLING PRECAUTIONS AND STORAGE

Polyester resins which contain styrene monomer, an irritant liquid with a flash point below 32°C (90°F), are in general subject to the Highly Flammable Liquids and Liquid Petroleum Gases Regulations 1972. The resins should be stored cool, away from direct sunlight, in closed metal containers (such as the drums in which they are supplied) if maximum shelf life is to be maintained. The quantity of styrene vapour in the working atmosphere should not exceed the Threshold Limit value of 100ppm and when stored in bulk, adequate venting of large tanks is recommended together with a storage temperature not exceeding 0°C (68°F). It is preferable to wear gloves/goggles when handling polyester resin solutions to guard against any possible skin/eye irritation arising from the presence of styrene.