

POLINORD G - 144

TECHNICAL DATA SHEET

DESCRIPTION: POLINORD G 144 is a low VOC, fine dispersed, medium viscous, aqueous copolymer emulsion of styrene and acrylic ester. Non-pigment film at room temperature is, transparent, glossy and resistant to water and alkali and not sticky.

PROPERTIES	VALUE
Dry matter content (DIN 53189)/ %	50 ± 1
pH value	7 – 9
Viscosity according to Brookfield (ISO 2555) spindle 5, 50 rpm, 23 °C/ mPas	3000 – 8000
Particle diameter/ nm	approx. 100
Minimum film forming temperature (MFFT) (DIN 53787)/ °C	approx. 20
Sensitivity at low temperatures/ °C	< 0
Film appearance	transparent, glossy, tough, non sticky

APPLICATION: Suitable for manufacturing of interior and exterior emulsion paints, wood paints and lacquers, concrete protection paints, plastic mortars and as a binder for mineral bases.

TREATMENT: Production of emulsion paints is usually accomplished in suitable agitators with a great number of revolutions, e.g., in a dissolver.
Suitable additives in processing POLINORD G-144 are:

- Fillers: micronized calcite, dolomite, talc, kaolin, quartz
- Wetting agents: sodium polyphosphate, salt of polyacrylic acid
- Pigments: titan dioxide, iron pigments, organic pigments
- Thickeners: cellulose ethers and salts of polyacrylic copolymers
- Plasticizer: butyldiglycolacetate
- Defoamers: silicone, ester
- Preservatives: methylisotiazoline based

STORAGE: It is advisable that, prior to processing, it is stored at temperatures as possible, ranging from 5 to 30°C, for a period not longer than six months. The emulsion should be stored in an area protected from freezing and direct heat.

SHELF LIFE: 6 months in the advised conditions

PACKAGING: PE 125 kg drums, PE 1000 kg containers or in 20000 kg road tankers.

REMARK: The information in this material is based on our previous knowledge and experience and gives general instructions about our product and its application. Each user of our product must responsibly examine its usability for its specific purpose.