

TECHNICAL DATASHEET

DEMPOL ST 121

DEMPOL ST 121 IS AN AQUEOUS, PLASTICIZER AND APEO free. HIGH QUALITY COPOLYMER EMULSION OF STYRENE – ACRYLIC ACID ESTER. IT IS A GENERAL PURPOSE BINDER.

EMULSION PROPERTIES

Type of Polymer	: Styrene-Acrylic Acid Ester Copolymer
Solid Content (%)	: 50 ± 1
pH (at 25°C)	: 7 - 9
Particle Size (micron)	: 0.2 – 0.5
Viscosity (Brookfield DV-II +) (at 25 °C)	: 10000 - 20000 m Pa.s (spindle:6/10rpm)
Stabilizing System	: Anionic-Nonionic
Free Monomer Content (%)	: < 0.3 -< 0.8
Density (at 20°C)	: 1.02 - 1.05 (gr/ml)
Minimum Film Forming Temperature (°C)	: +1
Film Appearance (at 25°C)	: Clear,semi flexible,gloss
Glass Transition Temperature (°C)	: -1

APPLICATIONS

- Interior & Exterior Paints
- Textured Coatings
- Architectural Applications
- Plasters
- Primers for Mineral Substrates
- Silk paints , Semi-Gloss Paints and Full Glossy Paints

FEATURES

- Good water resistance and scrub resistance
- Good paint stability
- Clear , glossy and flexible film.
- High pigment binding capacity

SAFETY

PERSONAL PROTECTION : Wear suitable protective clothing , gloves and glasses for eye / face protection.

SKIN CONTACT : Wash skin as soon as possible with plenty of water.

EYE CONTACT : Flush immediately with plenty of water , keeping eyelids open , for at least 15 minutes. Remove contact lenses. Seek for medical assistance.

HANDLING & STORAGE

HANDLING : Ventilate the working place thoroughly. Avoid contact with skin, eyes and clothes. No eating and drinking in the work place.

STORAGE : Stable for 12 months , in close drums at ambient temperature (+5 / +40°C) avoid freezing temperatures and sources of heat and direct sunlight.

NOTE

The above information is based on our knowledge and experience. In view of many factors that may affect processing and application, these data do not relieve end-users from the responsibility of carrying out their own tests and experiments.

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