

# TECHNICAL DATASHEET

## DEMPOL SB 450 B

### TERPOLYMER EMULSION FOR PAINT and CEMENT

STYRENE ACRYLIC BINDER FOR GENERAL PURPOSE INTERIOR AND EXTERIOR COATINGS

DEMPOL SB 450 B IS A WATER-BASED, MODIFIED TERPOLYMER EMULSION AQUEOUS, ANIONIC, PLASTICIZER-FREE DISPERSION  
APEO free - SVHC free.

### EMULSION PROPERTIES

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| Type of Polymer                          | : Styrene-Acrylic Acid Ester Copolymer |
| Solid Content (%)                        | : 45 ± 1                               |
| pH (at 25°C)                             | : 8 – 8.5                              |
| Average Particle Size (um) approx        | : 0.26                                 |
| Viscosity (Brookfield DV-II+) (at 25 °C) | : 5000 - 8000 m Pa.s (spindle:6/10rpm) |
| Stabilizing System                       | : Anionic-Nonionic                     |
| Free Monomer Content (%)                 | : < 0.3                                |
| Density (at 20°C)                        | : 1.03 - 1.05 (gr/ml)                  |
| Minimum Film Forming Temperature (°C)    | : 10 ± 1                               |
| Film Appearance (at 25°C)                | : Clear, flexible                      |
| Glass Transition Temperature (°C)        | : -3                                   |

### APPLICATIONS

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

## FEATURES

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

## SAFETY

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**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

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**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 / +30°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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