

Technical Bulletin

LAB 580

Thermoplastic Acrylic Co-Polymer

Product Description:

LAB 580 is specifically designed for industrial protective coatings. It gives a clear hard, non-yellowing film with excellent resistance to water and alkalis. LAB 580 being an acrylic polymer, gives a hard flexible film with excellent resistance to water alkali, chemicals and weathering.

These properties combined with excellent adhesion make LAB 580 ideally suited for clear or pigmented protective coatings on a variety of industrial surfaces.

LAB 580 has been found ideal for protective coatings of concrete, brick and masonry. It has proved to be an excellent coating for concrete tiles, where water proofing and freedom from efflorescence is required. LAB 580 is only suitable for use on ceramic or terra cotta tiles when Supa Seal is applied as a top coat.

Application:

LAB 580 can be applied by dipping, brushing or spraying. Recoating or repair after prolonged exposure is simply achieved by solvent wipe and recoating.

LAB 580 is very economical in use: application rates from 8m² to 16m² per litre have been achieved dependent on the coatable substrate.

The coatable substrate should be precleaned prior to coating and light acid etching may also be necessary. A minimum of two coats of LAB 580 are recommended at all times.

This product is flammable - keep containers closed when not in use, keep away from heat, sparks or open flames. No smoking in work and adjacent areas.

The vapour of LAB 580 is harmful - avoid applying in enclosed areas - use positive fresh air ventilation. Avoid breathing vapour or mist.

TYPICAL PROPERTIES – SOLUTION

Type	Thermoplastic acrylic solution
Appearance	Clear colourless solution
Solids	23.5% - 24.5%
Solvent	Aromatic blend
Viscosity	40 – 100 cP (sp 1, 60 rpm at 35°C)
Flash Point	24°C
Specific Gravity	0.93

TYPICAL PROPERTIES – FILM

Appearance	Clear, colourless
Nature	Hard, flexible
Resistance to Weathering	Excellent, non yellowing
Tg Glass Transisunal Value	55°C

SHELF LIFE: As a quality assured manufacturer, Castle Chemicals has a stringent Quality assurance programme. As part of this regime, the label on this product shows a batch number and date of manufacture. This product has a shelf life of 24 months from the label printed date of manufacture. This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Castle Chemicals assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of material.