

Technical Information

Acronal[®] PS 713 ap

Polymer Dispersions for Construction

Chemical Nature

Acronal[®] PS 713 ap is an anionic aqueous dispersion based on acrylate polymer.

Application Areas

Acronal[®] PS 713 ap is widely used in the construction industry, especially for mastic waterproofing. Mastic waterproofing modified with Acronal PS 713 ap could protect walls from rainwater leakage and prolong the lifetime of the concrete roof according to different application.

Acronal[®] PS713 ap has high adhesion characteristics on various surfaces. It is a robust product which provides a high pigment binding powder and has a very good stability under high shear mixing force.

Acronal[®] PS 713 ap has very good shear stability which can be added to mill base to formulate very high solids coating, e.g. to prepare thick films.

Non-blister and low water uptake performance could be observed when

Acronal[®] PS 713 ap is applied in BASF guided formulation in mastic waterproofing

Processing

As Acronal[®] PS 713 ap has a high Tg temperature, it may be advisable to add plasticizer i.e. Loxanol PL 5060 in amounts of 1.5~2.2% by weight to the wet component depending on the intended application.

To avoid air voids content increase during processing of Acronal PS 713 ap, it is recommended to add defoamer i.e. 0.3~0.5% FoamStar MO NXZ, Foamstar MO 2150 or Foamstar PB 2706. Additionally dispersant i.e. Dispex AA 4140 at 0.2-0.5% could be added to achieve homogenous finish product.

Acronal[®] PS 713 ap has a shelf life of six months at 10~30°C in tightly sealed containers. This product must not be exposed to high temperatures and it must be protected from frost.

It is strongly recommended to carry out your own trials when developing and processing products contains Acronal[®] PS 713 ap. This also includes testing the storage stability of customer's finish product.

Technical Data

Solids content	49 - 51 %
pH value	7.5 – 9.0
Viscosity BF RV DV Sp- 6/100rpm, 23°C	1800-4500 mPa·s
Density	approx. 1.04 g/cm ³
Tg	approx. 22°C
MTTF	Approx. 19°C

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