

Technical Information

Acronal[®] PS 608 ap

Polymer Dispersions for Construction

Chemical Nature

Acronal[®] PS 608 ap is an anionic aqueous dispersion based on acrylate polymer.

Technical Data

Solids content	49 - 51 %
pH value	6.5 – 8.5
Viscosity RVT, 23°C, 2/10rpm	500 - 2000 mPa · s
Density	approx. 1.02 g/cm ³
Tg	approx. 10°C
MFFT	approx. 18°C

Application Areas

Acronal[®] PS 608 ap is used to modify hydraulic binders system. Areas of application include

- Rigid and semi-flexible waterproofing slurries and mortars
- Flexible ceramic tile adhesives
- Sag-resistant repair mortars
- Industrial floor screeds and fine screeds
- Other polymer modified cementitious mortars

Acronal[®] PS 608 ap provides excellent water impermeability in cementitious waterproofing slurries and mortars.

It has very good compatibility with various cements.

A significant increase in the flexural strength and adhesion strength is observed in the repair mortar formulation containing Acronal[®] PS 608 ap.

Under proper polymer/cement ratio the performance of ceramic tile adhesive modified with Acronal[®] PS 608 could reach C2S2 standard.

Acronal[®] PS 608 ap provides outstanding abrasion resistance in modified industrial floor screeds.

Processing

Should defoamer be required in the formulation, FoamStar PB 2706 or Foamaster MO NXZ is strongly recommended. Typical application rates are within the range 0.3~1% in relation to the liquid component.

To achieve proper rheology polyurethane-based thickeners can be added in liquid part, and lower viscosity MC could be used in both power and liquid component as well.

Superplasticizer like Meflux 2651 F is suggested to be added in amounts of 0.5~1% by weight to the cement powder component to have great workability.

Acronal[®] PS 608 ap has a shelf life of six months at 10~30°C, provided due attention is paid to the hygiene of tanks and storage facilities.

It is strongly recommended to carry out your own trials when developing and processing products contains Acronal[®] PS 608 ap. This also includes testing the storage stability of customer's finish product.

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