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Technical Information

Acronal® A 378 ap

Polymer Dispersions for Construction

Chemical Nature

Acronal® A 378 ap is an aqueous dispersion of an acrylic ester copolymer, produced using acrylonitrile.

Technical Data

Solids content	60 - 63 %
pH value	6.5– 8.5
Viscosity DIN EN ISO 2555, 23℃	400 – 1000 mPa·s
Density	approx.1.04 g/cm^3
Tg	approx. - 22℃
MFFT	<1°C

Application Areas

Acronal® A 378 ap is used to manufacture adhesives for the laying of all standard flexible flooring materials especially for PVC and rubber floorings.

Acronal® A 378 ap allows the manufacture of conventional adhesives containing resin solutions and solvent-free adhesives as well, , especially very low emission adhesives coping with the requirements of EMICODE EC1+ and the Blue Angel (RAL-UZ-113).

Flooring adhesives made of Acronal® A 378 ap have high cohesion strength, heat resistance, and excellent dimensional stability as well.

Trials must be performed in advance for each specific application, because the performance of Acronal® A 378 ap can be influenced by other additive and material involved.

Processing

To achieve the optimum workability for product formulated with Acronal® A 378 ap, rheology modifier i.e. Rheovis AS 1125 and plasticizer i.e. Loxanol PL 5031 are recommended to be added.

The dispersion could be stabilized with pigment disperser e.g. Dispex AA 4135.

Standard commercial antifoams (e.g. FoamStar SI 2210) can be used to suppress foaming. In general it is sufficient to add 0.1~0.3% anti-foaming agent in relation to the adhesive mixture. Nevertheless the optimal amount required must be determined in tests.

Addition of biocides into adhesives containing Acronal® A 378 ap is recommended to protect them from microbial attack.

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