

Acronal[®] 3500

Polymer Dispersions for Construction



Chemical nature

Polyacrylic acid n-butyl ester containing carboxyl groups

Technical Data

Nonvolatiles	approx. 98 - 100 %
K-value	approx. 11 - 16

The exact specifications can be found in the specification data sheet.

Areas of Application

Acronal 3500 can be incorporated as an adhesion-improving additive into polymer dispersions. If added in a sufficiently high quantity it can replace the plasticizers that would otherwise normally be used in sealants.

Processing

A planetary mixer with a vacuum connection has proven particularly beneficial for mixing formulations containing Acronal 3500. In such equipment the air bubbles introduced by the mixing process can subsequently be removed effectively.

Because of its self-emulsifying property Acronal 3500 is used to plasticize aqueous polymer dispersions. When it is being incorporated into an alkaline dispersion, care must be taken to ensure that the pH of the final mixture is > 7. Acronal 3500 is used mainly in flooring adhesives and sealants. In such systems Acronal 3500 improves adhesion on critical substrates, such as metals, rubber and plastics. By contrast with the usual plasticizers there is no migration into the adjacent materials.

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