

# Acronal<sup>®</sup> 81 D

## Polymer Dispersions for Construction

### Chemical nature

Aqueous dispersion of an acrylic ester copolymer, produced using acrylonitrile.

Acronal<sup>®</sup> 81 D is suitable for the formulation of one-sided adhesives and as a mixing component in the impregnation of expandable joint sealing tapes.

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## Properties

### Physical form

Liquid, polymer dispersion

### Technical data

(not supply specification)

Solids content	DIN EN ISO 3251	~ 60 %
pH value	DIN ISO 976	4.5 – 5.5
Viscosity	DIN EN ISO 3219 (100 1/s, 23 °C)	1000 – 1800 mPa s
Glass transition temperature	DIN EN ISO 11357	~ -55 °C

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## Application

### Areas of application

Acronal® 81 D is suitable for the manufacture of adhesives that are applied to one surface when carpets are being stuck down. Because of its pressure-sensitive nature Acronal® 81 D can also be used as a binder for flooring adhesives.

Another area of application is the impregnation of expandable sealing tapes used to seal connection joints. Acronal® 81 D is used in combination with other dispersions such as Acronal® A 107 to balance out the desired expansion profile and air tightness.

Acronal® 81 D can also be used for pressure-sensitive dispersion adhesives if they are applied to substrates in quantities of 80 g/m<sup>2</sup> and above and a certain number of fine specks in the dispersion might be ignored.

### Processing

Before fillers are incorporated, the pH of Acronal® 81 D should be adjusted (e. g. with sodium hydroxide solution), so it is slightly alkaline.

Standard commercial antifoams (e. g. FoamStar® SI 2210) can be used to suppress foaming. In general, it is sufficient to add 0.05 – 0.2 % antifoam in relation to the mixture. The amount required must be determined in tests.

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## Storage

Although Acronal® 81 D is protected against infestation by microorganisms, preservatives should be added to formulations made from it to protect them from infestation even during longer storage periods and thus ensure consistent quality.

Compatibility and effectiveness are to be determined by own preliminary tests.

### Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

### Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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