Technical Information

Acronal® T 290D

general	Acronal® T 290D is a highly efficient, hydrophobic modified acrylic thickener (HASE) with pronounced pseudoplastic (low-shear) flow behavior.
chemical nature	aqueous dispersion of a polymer based on: acrylic ester

Properties

physical form	white liquid (dispersion)
shelf life	Subject to appropriate storage under the usual storage and temperature conditions, our product is durable for at least 12 months.

typical properties (no supply specification)

solid content (DIN EN ISO 3251)	~ 30%
pH value (ISO 976, 23°C)	~ 5
viscosity (DIN EN ISO 2555, RV, spindle 2, 100 1/s, 23°C)	~ 25 mPa·s

Application

Acronal ® T 290D is a highly efficient, hydrophobic modified acrylic thickener (HASE) with pronounced pseudoplastic (low-shear) flow behavior for many aqueous paint and coating systems. It is especially suited for interior paints, exterior paints, elastomeric coatings, textured finishes and wood coatings for brush and spray applications. Acronal® T 290D offers performance highlights such as:

- outstanding thickening efficiency
- pronounced pseudoplastic (low-shear) flow behaviour
- increased KU-viscosity
- prolonged open time
- (partial) substitution of cellulosics
- reduced sagging
- excellent viscosity stability after tinting

recommended concentrations

Typical dosage of Acronal® T 290 D is between 0.3 to 2 percent calculated on total formulation.
We recommend to determine the optimum dosage level for Acronal® T 290D by laboratory trials to achieve the desired performance.
Acronal® T 290D can be added at any stage of the production process. In this case, the first step is to adjust the pH of the polymer dispersion so that it is in the alkaline range. A thin stream of Acronal® T 290D can then be added by continuous stirring. Afterwards the pH should be checked again and adjusted to 8-10.
Acronal® T 290D can also be mixed into polymer dispersions in the form of an alkaline solution. The solid content of the solution should not exceed 1% to allow easy handling. It is recommended to dilute the thickener with water and add alkaline whilst stirring. Check and adjust pH afterwards.
Depending on the application, it can be advisable to use Acronal® T 290D in combination with other Acronal® thickeners or cellulose derivatives in order to obtain the required effects.

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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