

Acronal[®] 5011

Polymer Dispersions for Construction

Chemical nature Aqueous dispersion of acrylic acid ester and styrene. Acronal[®] 5011 is manufactured without the addition of ammonia, APEO and plasticizer.
Type of dispersion: anionic

Properties

Physical form Liquid

Technical data (not supply specification)	Solids content	DIN EN ISO 3251	~ 57 %
	pH value	DIN ISO 976	6 - 8
	Viscosity	DIN EN ISO 3219 (250 1/s, 23 °C)	120 – 250 mPa·s
	Glass transition temperature (T _g)		~ -8 °C

Application

Areas of application Acronal® 5011 has a varied range of uses.

Other areas of application include for example:

- Basecoats
- High-flexibility tile adhesives
- Rigid and flexible waterproofing slurries for sealing in conjunction with tiles and protective surface coatings
- Protection against corrosion
- Additive for hydraulic binder systems
- Roof coverings

Processing

It is usually not necessary to add any plasticizer, because Acronal® 5011 already has low film-forming and glass transition temperatures. If the air voids content increases during processing of Acronal® 5011, we suggest defoaming tests with, for example, 0.3 – 1.0% FoamStar® PB 2706 in relation to the wet component.

To ensure the crack-bridging properties of mineral waterproofing slurries, the polymer/cement ratio should be at least 0.9. If a sag-resistant consistency is required for the processing rheology of the slurry, we recommend the use of polyurethane-based thickeners like, for example, Rheovis® PU 1216.

To speed up hydraulic formulations with a high proportion of polymer, it may be beneficial to add aluminous cement or calcium formate to the dry component.

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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