

Acronal[®] S 716 sa

Polymer Dispersions for Architectural Coatings

Product description It's a dispersion of a styrene acrylic copolymer with a very low inherent odor level. The product has a very low inherent viscosity and excellent power to bind pigments and fillers.

Chemical nature Aqueous dispersion of a styrene acrylic copolymer.

Key benefits

- Wide range of formulation possibilities in architectural coatings.
- Attractive cost-performance ratio.
- Exceptional alkaline and saponification resistance.
- Superior resistance to fouling.
- Very low odor and "VOC" levels.
- Product free of ammonia and ethoxylated alkyl phenol in its composition.

Properties

Physical form Liquid dispersion.

Technical data

(no supply specification)

Solids Content	50%
pH Value	6.5 – 8.5
MFFT	~ 22 °C
Viscosity at 23 °C, 100 1/s, Sp2	600 – 3.000 mPa·s
Specific Gravity (Wet polymer)	~ 1.03 g/cm ³

Application

Acronal® S 716 sa, can be used in various formulations for architectural coatings with indoor and outdoor applications. Wide range of use of pigments and fillers as low to high gloss finishes. Textures type finishes are also possible for indoor or outdoor usage.

Good versatile option providing cost savings for finishing systems and thermal insulation type "EIFS". (External Insulation Finishing System). Use in formulations for primers and sealants to apply on porous surfaces. Aptitude to be used in decorative coatings for wood.

Ability to provide cost benefits in grout and mastic formulations.

Very effective product for formulating paints for interior usage.

Highly compatible with associative thickeners technologies like; Rheovis® HS 1303 or Rheovis® PU 1331 reaching Rheovis® HA 1162, Rheovis® PU 1191, the previous complemented with Attagel® 40 or Attagel® 50. For the correct foam control on your water-based formulations you can choose the right ingredient like Foamaster® MO 2159, FoamStar® ST 2410 or FoamStar® ED 2522.

For film forming agents you can consider the usage of Loxanol® CA 5308 or Loxanol® CA 5310.

For dispersion of pigments and fillers options with: Dispex® AA 4140, Dispex® CX 4231, Dispex® CX 4345 or Dispex® ULTRA PA 4575.

Storage

Acronal® S 716 sa, must not be allowed to come into contact during storage with metals or alloys that are susceptible to corrosion. It is important to ensure that containers are kept tightly sealed, and the headspace of bulk storage tanks must be kept saturated with water vapor. This product must not be exposed to high temperatures, and it must be protected from frost.

Acronal® S 716 sa, has a shelf life of six months from manufacturing date at 10°C – 30°C, provided it is stored in accordance with the "Handling and Storage of polymers" brochure. Technical information regarding the storage of BASF polymer dispersion products is available upon request.

We would recommend treating this product with a biocide to prevent problems with microorganisms from occurring during storage and processing. Further details are given in our leaflet on "The handling and storage of polymer dispersions".



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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