

Construction

Technical Data Sheet

Acronal[®] S 430 P



Chemical Nature

Re-dispersible polymer powder based on an aqueous, plasticizer-free, APEO free, anionic copolymer dispersion of acrylic acid ester and styrene.

Properties

Product specifications

Solids content,	%	ca. 99%
pH (30% solution)		ca. 7 – 9

Other properties

Appearance		slightly yellowish
Form		powder, free flowing
Bulk density,	kg/m ³	ca. 500
T _g	°C	ca. -15

Applications

Area of application

Acronal[®] S 430 P is used to improve and increase the flexibility, flexural strength, adhesion, abrasion resistance and water resistance of one-component drymix construction products based on hydraulic cements. Flexibility at lower temperatures is excellent due to the low T_g. The high binding strength and rapid redispersibility of Acronal[®] S 430 P makes it ideal for use in high polymer content formulations such as waterproofing slurries for composite sealing systems under tile (e.g. bathroom, balcony, patios), below grade applications, EIFS and critical substrates. The special additive system employed in Acronal[®] S 430 P ensures excellent workability, a long pot life and no cracking when the mortar sets. Acronal[®] S 430 P does not contain cellulose derivatives.

Processing

Typical dosage rate is 2% (rigid systems) to 30% (high flexibility systems) by weight of cement.

Dry mortars that contain Acronal[®] S 430 P can be dry mixed with typical mixing equipment. Because the product is thermoplastic care must be taken to ensure that there is not excessive heat exposure.

Acronal[®] S 430 P is compatible with typical water reducers, rheology modifiers and defoamers such as Melment[®], Melflux[®], Starvis[®] and Vinapor[®].

Construction products containing Acronal[®] S 430 P may discolor on exposure to sunlight, color stability should be evaluated.

Safety

General

The usual precautions when handling chemicals must be observed. This includes compliance with Federal, State and Local health and safety regulations, ventilation, protective clothing and goggles.

Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Acronal[®] S 430 P.

Storage

Acronal® S 430 P has a shelf life of 6 months from delivery date when stored cool, dry, in the original packaging and pallets are not double stacked. Heat, moisture and pressure may cause lumps to form.

Important

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