

Construction

Technical Data Sheet

Acronal[®] P 5033



Chemical Nature

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

Properties

Typical Properties

Solids content,	%	> 98%
pH (30% solution)		ca. 6.5 - 8

Other properties

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

Applications

Area of application

Acronal[®] P 5033 is used to improve and increase the flexibility, flexural strength, adhesion, crack bridging and water resistance of one-component, drymix construction products based on hydraulic cements. Acronal[®] P 5033 does not have a strong plasticizing effect; it is APEO and ammonia free.

Acronal[®] P 5033 is used in one-component, drymix, flexible, waterproof sealing slurries and waterproof membranes for interior and exterior applications. Workability and pumpability of formulations with Acronal[®] P 5033 is excellent. The polymer film cross-links only at alkaline pH, resulting in excellent crack bridging properties, even at low temperatures.

Processing

Typical dosage rate in high flexibility waterproofing applications is 20 to 30% by weight of cement. To ensure complete redispersion the amount of mixing water should not less than the amount of polymer, by weight.

Dry mortars that contain Acronal[®] P 5033 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[®] P 5033 is compatible with typical water reducers, rheology modifiers and defoamers such as Melment[®], Melflux[®], Starvis[®] and Vinapor[®].

Construction products containing Acronal[®] P 5033 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® P 5033.

Storage

Acronal® P 5033 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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