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Acronal® P 5033

Polymer Dispersions for Construction

Product description

Acronal P 5033 is used primarily in the formulation of highly flexible cementitious one-component sealing slurries for waterproofing being applied in- and outdoor under tiles. The polymer film crosslinks only at alkaline pH, resulting in excellent crack bridging properties of the waterproofing membrane, even at temperatures down to – 5 °C. The polymer powder also significantly improves bond strength properties beneath tiles.

Acronal P 5033 based mineral sealing slurries ensure outstanding and smooth running workability properties, especially in combination with Rheovis® HS 1980.

Chemical nature

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

Properties

Physical form

Powder

Technical data
(no supply specification)

Solids Content	~ 98 %
pH	~ 6.5 – 8.5
Bulk density	~ 500 kg/m^3
Tg	~ – 15 °C

Application

Processing

Acronal P 5033 does not cause any ammonia release when combined with strongly alkaline mineral binders such as cement, lime etc.

The polymer powder is characterized by outstanding workability properties even in formulations with high polymer contents.

The use of Acronal P 5033 allows the formulation of one-component cementitious waterproofing membranes with unique flexibility and adhesion also on critical substrates.

The recommended dosage rate is 25 – 30 %. To ensure complete redispersibility, the amount of mixing water should not be less than the polymer content) (W/P ≥ 1).

To control the density of the fresh slurry we recommend to add 0.4 % Vinapor® DF 9010 F to the dry mix.

By the addition of 0.1 – 0.3 % Rheovis® HS 1980 (HASE Thickener) is possible to achieve sprayable up to non-sagging workability properties without interference of the smooth running workability properties.

Storage

Avoid higher temperature or compression stress. Through this an agglomeration can occur.

This product should be processed as soon as possible.

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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