Acronal® Xpress 7540

Polymer Dispersions for Construction

Chemical nature

Acronal® Xpress 7540 is an acrylic polymer dispersion which contains crosslinking and quick setting functionalities. With crosslinking, it has optimum balance of elongation and tensile strength as well as the adhesion to various substrates. It's quick drying technology delivers early rain resistance which is critical in rainy season.

Properties

Physical form

Liquid dispersion

Technical data

(no supply specification)

Solids content		49 - 51 %
pH Value		10.5 – 11.5
Viscosity	Brookfield 23 °C, spindle 1/20 rpm	50 – 500 mPa·s
Density		Approx. 1.05 g/cm^3
Tg		Approx. -5°C

Application

Acronal® Xpress 7540 is recommended for use in white roof coating formulations, particularly under non-ideal conditions (low temperatures & high humidity) with the objective of enabling earlier season job starts, later season job ends, early rain resistance and potentially faster job completion.

Coatings containing Acronal® Xpress 7540 may be used for sealing roof decks and the protection of underlying concrete, polyurethane insulation foam, rolled roofing felts or asphaltic substrates against the effects of weathering.

For areas where permanent water loading is anticipated or the roof slope is < 2°, roof coating containing Acronal® Xpress 7540 is not recommended.

Processing

Acronal® Xpress 7540 is a mechanically stable anionic dispersion at pH above 10.5. It can be pigmented and formulated into flexible coatings. This includes mixtures prepared with the dispersion in the grind or as an addition to pigment dispersion.

To maintain optimal formulation stability during manufacture, precaution must be taken to ensure the pH of the formulation is adjusted to 10.5 or above with ammonia solution. It may be necessary to timely add ammonia solution during the production in order to keep the pH above 10.5.

Best early rain resistance and improved storage stability is achieved when the pH of the final formulation is adjusted to about 10.8 with ammonia solution.

Other additives selection and production procedure can be similar as normal coatings.

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. They do not constitute the agreed contractual quality of the product and, in view of the many factors that may affect processing and application of our products, do not relieve processors from carrying out their own investigations and tests. The agreed contractual quality of the product at the time of transfer of risk is based solely on the data in the specification data sheet. Any descriptions, drawings, photographs, data, proportions, weights, etc. given in this publication may change without prior information. 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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This data sheet will be rendered invalid if it is superseded by a later version.

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