

Technical Information

Acronal[®] XPRESS 7540

Polymer Dispersions for Construction

Chemical Nature

Acronal[®] XPRESS 7540 is an acrylic polymer dispersion which contains crosslinking and quick setting functionalities.

Application Areas

Acronal[®] XPRESS 7540 is designed for use in white roof coating formulations, particularly under non-ideal conditions (low temperatures or high humidity) with the objective of early rain resistance, faster job completion and extension of application seasons.

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.

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.

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 10.5 with ammonia solution. Other additives selection and production procedure can be similar as normal coatings.

It is strongly recommended to carry out your own trials when developing and processing products contains Acronal[®] XPRESS 7540 This also includes testing the storage stability of customer's finish product.

Technical Data

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| Solids content | 49 - 51 % |
| pH value | 10.5 – 11.5 |
| Viscosity (RVT, 21°C, sp2/20rpm) | 50-500 mPa · s |
| Tg | Approx. -5°C |

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