

Product Information

Acronal® NX 3587

Chemical Nature:

Acronal® NX 3587 is an aqueous acrylic copolymer dispersion for the manufacture of flexible coating compounds

Benefits

- Very low water absorbance
- Asphalt bleed resistance

Features

- Pure acrylic polymer
- Crosslinking functionalities



Acrylic dispersion for flexible roof coating

Acronal® NX 3587 is a new developed polymer from BASF to address many concerns in the Flexible Roof Coating industry. First it is a pure acrylic polymer which contains crosslinking functionalities which not only improve polymer tensile properties but improve substrate adhesion properties especially on polyurethane. Second is that the Acronal® NX 3587 was developed to address asphalt bleed resistance when applied as a white coating over an asphaltic substrate. The Acronal® NX 3587 shows virtually no asphalt bleed-through when tested under both UV and Heat (50°C) conditions. Third is that the Acronal® NX 3587 when compounded into a typical 42 pvc Flexible Roof Coating formulation shows very low water absorbance values of approximately 5% for a 7 day exposure.

Properties			
Product specification*	Solids content (ISO 1625)	%	approx. 54-56
	pH value		approx. 7-8
	Viscosity at 23 °C, Brookfield RV Sp4/100 rpm	mPa-s	approx. 200-500
Other properties of dispersions	Tg	°C	approx. -5
	Type of emulsion		Anionic

*The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.

Note

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

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Area of Application

Acronal® NX 3587 may be used for the production of flexible coating compounds. Such coatings may be used for the sealing of the concrete roofs and the protection of polyurethane insulation foam, rolled roofing felts or asphalt roof systems against the effects of weathering. For areas where permanent water loading is anticipated or the slope is $<2^\circ$, Acronal® NX 3587 is not recommended.

Processing

Acronal® NX 3587 was developed to provide asphalt bleed through resistance when used as a Flexible Roof Coating over an asphalt roof. In addition, it contains internal crosslinking agents that crosslink the polymer film at the room temperature after the water has evaporated. This crosslinking occurs both on the surface and through the coating to give good elastic film properties with only a slightly tacky surface. This aids in the resistance of the film to dirt pick up and retain good selectivity. Acronal® NX 3587 is a mechanically stable anionic dispersion that can be pigmented and formulated into flexible coatings.

Safety

General

The usual precautions for handling chemicals must be observed. These include the measures set out in the guidelines of the organisations responsible for safety at work, in particular, good ventilation and fume extraction at the workplace, care of the skin and the wearing of eye protection.

Safety Data Sheet

When using this product, the information and advice given in our **Safety Data Sheet** should be observed. Due attention should also be given to the **precautions** necessary for handling chemicals.

Labeling

According to all the data at our disposal, Acronal ® NX 3587 does not need to be labelled as a dangerous substance or preparation as defined in the relevant local directives according to their current status.

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Storage

Acronal® NX 3587 should not come into contact with exposed iron or non-ferrous metal during storage or processing. It is important to ensure that containers are kept tightly sealed, and the headspace of bulk storage tanks must be kept saturated with water vapor. This product must not be exposed to high temperatures, and it must be protected from frost.

Acronal® NX 3587 has a shelf life of six months at 10 – 30 °C, provided due attention is paid to the hygiene of tanks and storage facilities.

To avoid problems during storage (impact of micro organisms) we recommend the stabilization with biocides.

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