

Product Information

Preliminary



Acronal® 7607

Chemical Nature:

Emulsion polymer of acrylic ester and styrene

Benefits

- Prevention of topcoat defects
- Ideal for high alkaline concrete

Features

- APEO Free
- Very good alkali and efflorescence resistances
- Physical barrier to water transport
- Chemical barrier to salt migration
- Excellent substrate penetration and topcoat adhesion



Emulsion polymer used to manufacture solvent free primer and sealers

Acronal® 7607 is an anionic emulsion polymer with a low viscosity. It consists of small, finely divided particles. It is very resistant to dissolved inorganic salts. The un-pigmented film is clear, transparent, flexible, resistant to water and resistant to saponification.

Properties

Product specification*	Solids content	%	48 ± 1
	pH value		6.0 – 8.0
	Viscosity at 23 °C, RVT SP5/20 rpm (DIN EN ISO 2555)	mPa·s	200 – 1900
Other properties of dispersions	Minimum film-forming temperature (ISO 2115)	°C	23 - 26
	Density	g/cm ³	approx. 1.0
	Resistance to frost	°C	≤ 0
	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.

Acronal® 7607



Application

Areas of application

Acronal® 7607 is suited to the manufacture of primer and sealer over a broad range of formulations.

Processing

Solvents need to be added in order to enable the polymer to form a uniform film at temperatures below ambient temperature. It is usually sufficient to add these solvents at a level of 2 %, expressed as a proportion of the total formulation. Short-chain alcohols and glycols improve the freeze-thaw resistance of paints, but they cannot be used to lower the film-forming temperature. If possible, solvents should not be added direct to the emulsion polymer, they should be mixed with the pigment paste and then added.

Although Acronal® 7607 itself is resistant to microorganisms in the form in which it is supplied, preservatives need to be added to products formulated with Acronal® 7607 to protect them from attack by microorganisms over long periods in storage. Trials should always be carried out to test the compatibility and efficacy of the preservatives.

The performance and compatibility of additives with Acronal® 7607 and with each other must be confirmed in preliminary trials. This includes testing the stability of formulations by storing them at ca. 50°C to confirm that their viscosity remains stable.

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.

Acronal® 7607



Safety

General

The usual precautions for handling chemicals must be observed. These include the measures set out in the guidelines of the organizations 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® 7607 does not need to be labelled as a dangerous substance or preparation as defined in the relevant local directives according to their current status.

Storage

Acronal® 7607 must not be allowed to come into contact during storage with metals or alloys that are susceptible to corrosion. It is important to ensure that containers are kept tightly sealed, and the headspace of bulk storage tanks must be kept saturated with water vapour. This product must not be exposed to high temperatures, and it must be protected from frost.

Acronal® 7607 has a shelf life of six months at 10 – 30 °C, provided due attention is paid to the hygiene of tanks and storage facilities.

We would recommend treating this product with a biocide in order to prevent problems with microorganisms from occurring during storage and processing. Further details are given in our leaflet on “The handling and storage of polymer dispersions”.

For further information please contact:

BASF East Asia Regional Headquarters Ltd
Dispersions & Pigments Asia Pacific
45th Floor, Jardine House, No. 1,
Connaught Place Central,
Hong Kong
Phone: +852 2731 7071
Fax: +852 2731 5670
E-mail: architecturalcoatings-asia@basf.com
www.dispersions.asiapacific.basf.com

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.