



Product Information

Acronal® PLUS 7679

Near odourless dispersion for wellness & hygiene Interior architectural coatings

Acronal® PLUS 7679 contains finely dispersed polymer particles. It is near odourless and has extremely low VOC. It exhibits excellent compatibility with commonly used pigments and extenders.

This product is developed to use as a binder for formulating near odourless paint for wellness and hygiene along with formaldehyde abatement functionality

Chemical Nature:

Acronal® PLUS 7679 is full acrylic near odourless polymer dispersion

Benefits

- Early reoccupation of the painted space
- Very good wet scrub resistance
- Excellent stain resistance
- Meets or exceeds VOC regulations
- Purify indoor air

Features

- Extremely Very low odour & low VOC
- No need for coalescent agent
- APEO free emulsion
- Formaldehyde abatement

Properties

Product specification*	Solid content	%	50 ± 1
	pH value	pH	7.0 – 9.0
	Viscosity at 23 °C, RVT 2/20 (DIN EN ISO 2555)	mPa·s	200 – 2000
Other properties of dispersions	Minimum film-forming temperature (ISO 2115)	°C	< 5
	Density (ISO 2811-1)	g/cm ³	1.04
	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.

Internal

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Applications

Areas of application

Acronal® PLUS 7679 is ideal for formulating range hygiene interior wall paints. This near odourless product enables to develop kids range of products with exceptionally good stain resistance & good wet scrub resistance.

Processing

Products formulated with Acronal® PLUS 7679 can be made up in the usual manner with a high-speed mixer. Dispex AA 4140 is recommended for dispersing inorganic pigments such as titanium dioxide. Co dispersant such as Dispex Ultra FA 4480 would help in giving better dispersion and stability. The desirable rheology can be achieved by using combination of Cellulosic and high shear PU/PE thickeners.

Like all dispersions Acronal® PLUS 7679 tends to foam, with the consequence that it generally necessitates the addition of a defoamer such as Foamstar ST 2410 AC. The usual types on the market can be recommended in proportions of 0.2 - 1%, but their suitability should be tested first.

No need of Coalescing agents as coherent paint film formation can be achieved by proper formulation. In order to achieve near odourless paint neutralizing agent such as Silires BS 168 is recommended.

Preservatives should be added to products made up from Acronal® PLUS 7679, in order to ensure adequate protection against microbial attack during long storage periods. Their compatibility and effectiveness however should be tested.

Tinting and colour can be achieved using standard pigments used in Architectural coatings, including BASF's range of Xfast® easy disperse pigment powders and Luconyl® pigment pastes. In all cases the compatibility with and effects on the performance of the coatings should be thoroughly checked.

Paints formulated without non-ionic surfactants and using Acronal® PLUS 7679 will still display good tinter acceptance. This is due to the surfactants used in the Acronal® PLUS 7679. Removal of the non-ionic surfactants from standard formulations will decrease the water sensitivity of the paint and improve the stain and wash resistance. However, it is important to optimize doses of non-ionic surfactants to balance all properties.

The stain, burnish, wash and scrub resistance of Acronal® PLUS 7679 can be improved with good formulating. Our technical department has extensive experience in this area and starting point formulations using Acronal® PLUS 7679 are available from BASF.

Manufacturers must perform their own careful tests in developing products containing Acronal® PLUS 7679, because tests on our part cannot embrace the great variety of factors that may influence results during manufacture and application, e.g. the mutual compatibility of the ingredients, the mixing mechanisms, and the adhesion to various substrates. Testing should include storage at ca. 50°C in order to ensure that the viscosity remains stable at this temperature.

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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® PLUS 7679 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® PLUS 7679 must not be allowed to come into contact with metals or alloys that are susceptible to corrosion. It is very important to ensure that containers are kept tightly closed or that the airspace in storage tanks is kept saturated with water vapor. Exposure to frost or sources of intense heat must be avoided.

Acronal® PLUS 7679 contains sufficient preservative for transportation. More preservative must be added during subsequent storage to protect the material against microbial attack and tank hygiene measures must be adopted (cf. our Technical Information Bulletin "Storage tanks for polymer dispersions").

Acronal® PLUS 7679 has a shelf life of approximately 6 months from date of manufacture at temperatures between 10°C to 30°C.

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