

Technical Information

Version/Date: 01/05.08.2013

Supersedes: -

Polymer Dispersions for Construction



Acronal[®] 7846

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Aqueous polymer dispersion used to modify hydraulic binders**Chemical nature** Aqueous, anionic dispersion of a copolymer of styrene and acrylate

Properties**Product specification**

Solid Content	%	46 – 48
pH value	-	8.0 – 9.0
Viscosity at 23 C (Brookfield, RVTDV Sp3 100 rpm)	cps	50 – 500

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.

Other properties of dispersion

Glass transition temperature, Tg	°C	Approx. 10
Density	g/cm ³	1.04
Ionic charge	-	Anionic
Resistance to frost	-	Not resistant

Application

Area of application

Acronal[®] 7846 is mainly used to modify hydraulic binders, especially cement mixtures. It is mainly employed in products that have to meet the highest standards of mechanical strength, such as concrete-repair mortars and floor screeds. This dispersion can also be recommended for waterproofing screed application. Trials must be performed in advance for each specific application, because the performance of Acronal[®] 7846 is influenced to a large extent by the type of hydraulic binder involved.

Processing

Customers have to carry out their own trials when developing and processing products based on Acronal[®] 7846. The compatibility of Acronal[®] 7846 with other ingredients of formulations, mixing processes, and its adhesion on different substrates, etc., are affected by a variety of factors which are too numerous for us to take into account in our own trials. This also includes testing the stability of its viscosity when it is stored at temperatures of ca. 50 °C.

Safety

General

The usual safety precautions when handling chemicals must be observed. In particular, the place of work must be well ventilated if large quantities are being processed, the skin should be protected, and safety glasses should be worn at all times.

Safety Data Sheet

A Safety Data Sheet has been compiled for Acronal[®] 7846 that contains up-to-date information on all questions relevant to safety. Acronal[®] 7846 can cause irritation to the skin and mucous membranes after prolonged exposure.

Labelling

According to all the data at our disposal, Acronal[®] 7846 does not need to be labelled as a dangerous substance or preparation as defined in the relevant European Union directives (substances directive 1967/548/EC and preparations directive 1999/45/EC) according to their current status.

Storage

Acronal[®] 7846 has a shelf life of six months at 10 – 30 °C in tightly sealed containers.

Acronal[®] 7846 is fully protected against microbial attack during transport, but we would recommend treating it with a biocide in order to prevent problems with microorganisms from occurring during storage and processing. Attention also needs to be paid to the hygiene of bulk storage facilities. Further details are given in our leaflet on "The handling and storage of polymer dispersions".

This product must not be allowed to come into contact with bare iron or copper and its alloys during storage.

**For further information,
please contact:**

**BASF South East Asia
Pte Ltd
Dispersions & Pigments
Asia Pacific**
7 Temasek Boulevard
#35-01 Suntec Tower
One Singapore 038987

Tel: +65 6432-3450
Fax: +65 6430-9825

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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