

# Acronal<sup>®</sup> 4700

## Chemical Nature

Aqueous acrylic copolymer dispersion for use in EIFS.

### Properties

#### Typical Properties

Solids content	%	~ 46.5
pH		~ 9.5
Viscosity at 73 °F (Brookfield, Spindle #2 at 50 rpm)	cps	< 100

#### Other properties of the dispersion

Density at 23 °C	lbs/gal g/cm <sup>3</sup>	ca. 8.5 ca. 1.04
Type of dispersion		anionic
Odor		Low
Freeze-thaw stability	0 °F	not stable

#### Properties of the film

Film Forming Temperature	°C	~ 7
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\* The above values should not be taken as specification.

### Application

#### Features

Acronal 4700 is a low odor, APEO-free all-acrylic copolymer dispersion for use in the production of exterior insulation and finish system (EIFS) cementitious and non-cementitious adhesives, base coats and textured top coats. Top coat finishes containing Acronal 4700 exhibit superior resistance to early rain events after application and when dried/cured have superior water resistance as well – as measured by water uptake and wet scrub methods. Acronal 4700 allows the manufacture of EIFS adhesives, base and top coats using one superior performance base polymer.

#### Processing

Cementitious base coats based on Acronal 4700 can be readily formulated to yield good pot life, adhesion to EPS and application characteristics. In textured top coats, Acronal 4700 exhibits excellent durability and low dirt pick-up tendency.

Acronal 4700 can be formulated with a wide range of cellulosic thickeners. Foamaster<sup>®</sup> MO NXZ and Foamaster MO 2170 are suitable defoamers. Dispex<sup>®</sup> CX 4240 is a suitable dispersing aid.

Although Acronal 4700 is protected from attack by microorganisms, preservatives must be added to the produced formulations in order to ensure that their quality remains unimpaired over long storage periods. Prior experiment is essential for checking their compatibility and efficiency.

## Safety

### General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

### Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Acronal 4700.

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## Storage

Please refer to the "Handling and Storage of Polymer Dispersions" brochure.

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