

# Acronal<sup>®</sup> NX 4787

**Chemical Nature**                      **Aqueous styrene-acrylate copolymer dispersion for the manufacture of ceramic tile adhesives**

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## Properties

<b>Typical Properties</b>	Solids content	%	~ 50.0
	Viscosity at 23 °C (Brookfield RV, Spindle #2, at 20 rpm)	cps	900 – 1600
	pH		~ 8.0
<b>Other properties of the dispersion</b>	Density at 23 °C	g/cm <sup>3</sup>	1.04
	Type of dispersion		anionic
	Freeze/thaw stability		not stable
<b>Properties of the film</b>	Appearance		clear
	Flexible		yes
	Surface		tack-free
	Glass transition temperature (DSC)	°C	23
	Water absorption (After 72 hours immersion in water)	%	ca. 10

\* The above values should not be taken as specification.

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## Application

**Features**                      Acronal NX 4787 is an APEO-free, low odor, aqueous copolymer dispersion for the manufacture of ceramic tile mastics, primers and other construction adhesives.

Acronal NX 4787 exhibits superior water resistance, strength and adhesion to mineral substrates. This polymer is also deodorized to reduce the volatile organic compounds (VOC), enabling the compounder to formulate environmentally friendly adhesives.

**Processing**                      Although Acronal NX 4787 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.

With its low viscosity, Acronal NX 4787 is also well suited for applications such as paper and architectural coatings.

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## 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 NX 4787.

## Storage

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

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