

Acronal[®] NX 4569

Acronal NX 4569 is a versatile dispersion used in adhesives and sound damping applications. With peak damping performance between 20-30°C, this product is ideal for room temperature sound treatment

Chemical nature

Acrylic dispersion containing styrene and acrylonitrile

Properties

Typical Properties

Solids content	%	~ 50.0
pH value		~ 7.5
Viscosity at 23 °C (Brookfield RV, Spindle #2, at 20 rpm)	cps	~ 350 – 950

Further properties of the dispersion

Density	g/cm ³	approx. 1.04
Freeze/thaw resistance		not resistant to freezing
Dispersion type		anionic

Properties of the film

Glass transition temperature T _g (DSC)	°C	ca. 4
Appearance		clear, transparent
Flexible		yes
Surface		tack-free

*These values permit only a rough comparison of film strengths

Compatible with

General

Acronal NX 4569 is compatible with a wide range of materials, including those commonly used in coating colors

Polymer dispersions

Anionic dispersions and those containing a protective colloid

Thickeners

Rheovis PU, Rheovis AS 1125, Rheovis 1152

Pigments

Adhesives can be colored with the water-dispersible Aurasperse[®], Dispers[®] or Luconyl[®] preparations

Application

Features

Acronal NX 4569 is used in a wide variety of applications as it is flexible, yet strong. It exhibits good water resistance. It has utility in paper saturation, print coating, sound damping and other applications where high filler acceptance is needed. It also exhibits strong adhesion to metal, paint, and wood.

Processing

When Acronal NX 4569 is mixed with other materials, the final mixture should be adjusted to pH > 6, which increases the mechanical stability.

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 4569.

Storage

Please refer to the "Handling and Storage of polymer dispersions" brochure.

Important

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