

# Acronal® 6323

<b>Product Description</b>	<i>Acronal 6323 is an ultrasmall-sized straight acrylic polymer dispersion featuring multiphase morphology, self-crosslinking, and wet adhesion functionalization.</i>
<b>Key Features &amp; Benefits</b>	<ul style="list-style-type: none"><li>- <i>Highly water resistant through hydrophobic polymer backbone and specific colloid stabilization</i></li><li>- <i>High wet clarity, in-can clarity in deep color tones</i></li><li>- <i>Excellent early block resistance and quick hardness development</i></li><li>- <i>Excellent durability in outdoor exposure</i></li><li>- <i>Broad formulation latitude and compatibility, including light stabilizers, tannin blocking additives, and colorants</i></li><li>- <i>Low VOC capable</i></li><li>- <i>Low mud cracking tendency</i></li><li>- <i>Adhesion to variety of primers (acrylic, alkyd, 2K PU), wooden and plastic substrates</i></li></ul>
<b>Chemical Composition</b>	Aqueous dispersion of a self-crosslinking acrylic polymer

## Properties

<b>Typical Properties</b>	Appearance	Translucent dispersion
	Non-volatile content	~ 42 %
	MFFT	< 1 °C
	pH	7.5 - 9.0
	Average Particle size	~ 0.04 µm
	Viscosity at 25 °C	100 - 450 cPs
	Specific Gravity	1.04 g/cm <sup>3</sup>

\* These typical values should not be interpreted as specifications.

## Applications

Acronal 6323 is a self-crosslinking waterborne anionic acrylic dispersion for decorative wood coatings, trim paints and varnishes by spray, brush and roller-application. Also will work for OEM joinery, industrially applied opaque and clear coatings for windows and doors.

This can be formulated <1g/L VOC with excellent exterior durability.

<b>Formulation Guidelines</b>	<p>To ensure good film formation, at low temperatures, we recommend adding 1-2% butyl glycol or butyl diglycol or a mixture of both.</p> <p>To improve substrate wetting, it is advised to use a suitable wetting aid like Hydropalat® WE3221. For a defoamer Foamstar® SI 2299 and Foamstar SI 2210 are effective for spray applications. Acronal 6323 is highly sag-resistant with great leveling.</p> <p>To adjust rheology of Acronal 6323 we recommend using Rheovis® PU 1192 or Rheovis PU 1291.</p>
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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 6323.

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## Storage

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

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