

# Joncryl® U 5168 X

<b>General</b>	an economical, a 'NMP'-free aliphatic water-based polyurethane dispersion
<b>Key features &amp; benefits</b>	<div>ecological</div> <div>fast dry</div> <div>excellent pigment orientation</div> <div>fast hardness development</div> <div>outstanding water resistance</div> <div>excellent adhesion</div>
<b>Chemical nature</b>	polyurethane dispersion

## Properties

<b>Appearance</b>	translucent emulsion
<b>Typical characteristics</b> <i>(should not be interpreted as specifications)</i>	<div>solid by weight36 %</div> <div>viscosity at 25 °C (Brookfield)&lt; 700 mPa·s</div> <div>pH7.8</div> <div>minimum film forming temperature&lt; 15 °C</div> <div>particle size~ 40 nm</div> <div>freeze-thaw stableyes</div>

## Application

Joncryl® U5168X is an aliphatic polyurethane dispersion in water. It has excellent overall performance like pigment orientation, fast dry and fast hardness development.

Joncryl® U5168X with good pigment orientation and workability is highly recommended as the binder for basecoat for refinish, bus, bumper and transportation coatings. It also can be use as grinding resin in pigment paste due to the outstanding grinding stability.

The formulation with Joncryl® U5168X shows impressive inter-adhesion with primer and 2K PU clear coat. This product also imparts excellent water resistance to full coating layers. The transparency of Joncryl® U5168X makes the simplification for color matching due to the minimum color change between wet and dry coating film.

Joncryl® U5168X is compatible with a wide range of acrylic emulsions and is useful in upgrading adhesion, toughness and flexibility.

For further detailed application information please contact our Technical Support Department.

### Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

### 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. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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