

# Joncryl<sup>®</sup> 587

## General

Joncryl<sup>®</sup> 587 is a hydroxyl functional acrylic flake for use in solvent-based crosslinked systems.

## Key features & benefits

wide choice of compatible solvents, for maximum formulation flexibility  
high resistance properties  
economic, due to low isocyanate demand  
provides good pot life, plus capability for fast tack free time

## Chemical nature

hydroxyl functional acrylic flake

## Properties

### Appearance

solid resin

### Typical characteristics

*(should not be interpreted as specifications)*

Non-volatile	98 %
molecular weight (wt. av.)	17,000
acid value (on solids)	<4
hydroxyl number	92
density at 25 °C	1.16 g/cm <sup>3</sup>
glass transition temperature Tg (DSC)	50 °C
equivalent weight	600

## Application

Joncryl<sup>®</sup> 587 has found application in Silk Screen printing inks and lacquers, where the wide choice of solvent system, allows the formulator to choose the solvent or solvent blend most suited to the desired end application needs.

The high resistance and adhesion characteristics of Joncryl<sup>®</sup> 587, when applied to plastic substrates, makes Joncryl<sup>®</sup> 587 the optimum choice where inks need to withstand aggressive substances.

## Formulation Guidelines

Joncryl® 587 is used in combination with polyisocyanate resin. We recommend as an initial starting point Basonat® HB 175 MP/X/Basonat® HB 275 B. In order to obtain the optimum in reaction performance Joncryl® 587 should be used in stoichiometric proportions with the aliphatic-poly isocyanate resin. This ratio is calculated from the hydroxyl equivalent weight of the acrylic resin and the isocyanate equivalent weight of the polyisocyanate resin. Therefore using Basonat® HB175 MP/X/Basonat® HB275 B the ratio should be

Joncryl® 587	600 grams
Basonat® HB 175 MP/X Basonat® HB 275 B	190 grams

## Cutting procedure

Joncryl® 587 is supplied as a flake, which is readily soluble in the solvent of choice. This allows the formulator maximum flexibility in choice of that isocyanate resin. The following procedure will produce satisfactory varnishes of 50-75 % resin content. The weight of resin in solution depends on the choice of solvent.

- Using a high shear mixer, charge the solvent into the mixing vessel, while slowly stirring add the Joncryl® 587.
- Increase agitation to maintain vortex as both resin level and viscosity increase.

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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