

# Joncryl<sup>®</sup> 848

## General

Joncryl<sup>®</sup> 848 is a solid flake acrylic resin for gloss control in industrial hybrid powder coating applications.

## Key features & benefits

Chemical resistance  
Low cross-linking  
Stable color and gloss over a wide bake range  
Matte gloss

## Chemical nature

Carboxyl functional acrylic resin

## Properties

### Appearance

clear flake

### Typical characteristics

*(should not be interpreted as specifications)*

Molecular weight	~4500
Non-volatile	> 98.5%
Acid number (0.3g in 3A alcohol)	~ 215
Equivalent weight	~ 261
Softening point	~ 127°C
Tg	~ 67°C

## Application

Joncryl<sup>®</sup> 848 is a high acid functional acrylic resin designed specifically as a gloss control additive or for use as a stand-alone resin in acrylic epoxy hybrid powder coatings. Typical recommended use levels are 3 – 9 parts per hundred resin as a modifier. Over this range, a wide variety of glosses can be achieved without detracting from the excellent properties associated with acrylic hybrids.

Using Joncryl<sup>®</sup> 848 in combination with Joncryl<sup>®</sup> 819 or Joncryl<sup>®</sup> 820, economical low gloss acrylic hybrid formulations can be made which are often much more cost effective than either polyester epoxies.

An added benefit of using Joncryl<sup>®</sup> 848 is that it provides excellent color and gloss stability over a wide range of bake temperatures, a negative feature of many other common powder de-glossing agents.

Joncryl<sup>®</sup> 848 is recommended for applications such as:

- Interior/exterior general metal powder coating applications

## Formulation Guidelines

The table below shows the effect of Joncryl® 848 at various levels in a Joncryl® 819 acrylic hybrid. Caution must be taken to adjust the formulation for stoichiometry to achieve maximum properties.

PHR	60° Gloss
5.0	56
7.0	31
7.4	25
8.0	23
9.0	21

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

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### 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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