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Joncryl® 8211

General

Joncryl® 8211 is a rheology controlled acrylic dispersion for plastic and metal coatings, excellent adhesion, chemical and solvent resistance.

Key features & benefits

- Adhesion to a broad variety of substrates
- Good outdoor durability
- Excellent application rheology
- Metallic pigment stability

Chemical nature

Acrylic dispersion

Properties

Appearance

Translucent dispersion

Typical characteristics
(should not be interpreted as specifications)

Non-volatile content	DIN EN ISO 3251	42.0 - 45.5 %
Brookfield viscosity at 25 °C	DIN ISO 1652	50 - 250 mPa·s
pH	DIN 19261	7.2 - 8
Glass transition temperature Tg (DSC)	DIN EN ISO 11357-1	~ 60 °C
Minimum film forming temperature	DIN 53787	~ 57 °C
Acid value (on solids)	DIN EN ISO 150	~ 26 mg KOH/g
Density at 25 °C	DIN EN ISO 2811-1	~ 1.04 kg/m³
Freeze/thaw-stable		yes

Application

Joncryl® 8211 is a versatile dispersion which can be used in a wide range of applications including metal primers, topcoats and plastic coatings. Joncryl® 8211 based coatings can be applied by spray, brush, dip and flow coating.

Joncryl® 8211 is suitable for air drying anti-corrosive pigmented primers and topcoats, for exterior or interior use.

Joncryl® 8211 shows an excellent adhesion to metal substrates such as cold rolled steel, bonder, aluminum, galvanized and zinc or steel.

Due to its excellent adhesion properties on many plastic substrates such as ABS, PVC, UP, PS, PC, Joncryl® 8211 is also very suitable for plastic coatings.

Formulation Guidelines

To achieve a proper film formation, it is necessary to add typical coalescent agents like butyl glycol, butyl diglycol or di (propylene glycol) butyl ether. Generally, the dosage depends on the used coalescing agent and is typically between 6 and 10 % co-solvent on delivery form.

The use of a plasticizer, (e.g. dioctyl adipate, Eastman® TXIB) in the range of 5 – 10 % on polymer solids, can support the film formation.

To increase the viscosity, the addition of polyurethane thickeners is recommended.

Especially suitable are Rheovis® PU 1250, Rheovis® PU 1291 or Rheovis® PU 1214 in a level of 1 - 3 %

Storage

This product has to be stored in tightly sealed original packaging at temperatures between 5 °C and 40 °C.

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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