

Joncryl[®] PRO 1555



general	a rheology controlled acrylic emulsion polymer for very fast drying industrial metal primers
key features & benefits	<ul style="list-style-type: none"> • adhesion to various metals • early water resistance • high hardness • corrosion and humidity resistance • very fast drying
chemical nature	acrylic emulsion

Properties

appearance	translucent emulsion	
typical characteristics <i>(should not be interpreted as specifications)</i>	solids by weight	45%
	viscosity at 25 °C (Brookfield)	60 mPa.s
	density (as supplied) at 25°C	1.050 kg/m ³
	pH	7.6
	acid value (solids)	53 mg KOH/g
	minimum film forming temperature	12 °C
	freeze/thaw stable	yes

Application

Joncryl[®] PRO 1555 is an excellent vehicle for general and special purpose industrial coatings especially when good adhesion and fast drying are required.

Performance

Joncryl® PRO 1555 is a rheology controlled (RC) acrylic emulsion that offers many distinct advantages to metal coatings. Joncryl® PRO 1555 exhibits good early water resistance and excellent adhesion to a wide range of metals due to the free carboxylic groups present. It has good resistance against humidity and corrosion. Joncryl® PRO 1555 has a very fast drying hardness development.

Formulation guidelines

Coalescing

To achieve good film formation, it is necessary to have sufficient coalescing solvent present after most of the water has evaporated. Joncryl® PRO 1555 has been shown to form a good film at room temperature when levels of approx. 10-13% on Joncryl® PRO 1555 (as supplied) of coalescing solvent are used. As drying conditions become more severe (below 15°C and/or above 70% relative humidity), slower evaporating and/or hydrophobic solvents (e.g Solvenon® DPnB) will be required to achieve good film formation.

For anti-corrosion primers we recommend the use of a plasticizer e.g. Dioctyl adipate (DOA) in combination with coalescing solvents.

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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