

Joncryl® U 4180

general

soft touch and matt binder for use in water-based OPV's

key features & benefits

haptic soft touch/soft feel

very matt appearance

flexible and elastic

chemical nature

polyurethane dispersion

Properties

appearance

milky, white liquid

typical characteristics

(should not be interpreted as specifications)

non-volatile

35 %

pH

10

Brookfield viscosity at 25 °C

1750 mPa.s

density at 25 °C

1.05 g/cm³

minimum film-forming temperature

< 0 °C

Application

Joncryl® U 4180 is a polyurethane dispersion designed to be used as binder for water-based coatings providing very matt and soft feel surfaces.

Joncryl® U 4180 is free of NMP (N-methylpyrrolidone), NEP (N-ethylpyrrolidone). It does not contain formaldehyde or tributyl tin compounds and is APEO-free. Joncryl® U 4180 does not contain inorganic matting agents, like silica.

Typical formulation using Joncryl® U 4180

95.5 parts	Joncryl® U 4180
1.5 parts	Hydropalat® WE 3650
2.5 parts	PE wax emulsion*
0.5 parts	Foamstar® SI 2213
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100.0 parts	

*BASF also offers a full range of wax emulsions

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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