BASF
The Chemical Company

JONCRYL® 74

Key features and benefits

provides:
- excellent water and grease resistance
- good gloss
- low foaming
- pigment wetting

an acrylic polymer emulsion for use in water-based inks and overprint varnishes

General information

Typical physical characteristics (not to be considered specifications)

appearance	semi translucent emulsion
non-volatile	48%
molecular weight (wt. av.)	>200,000
viscosity at 25 °C (77 °F) (Brookfield)	600 mPa.s.
pH	8.1
acid value (on solids)	69
density at 25 °C (77 °F)	1.05 g/cm^3
minimum film-forming temperature	-3 °C (27 °F)
glass transition temperature Tg (DSC)	-8 °C (18 °F)
freeze/thaw-stable	yes

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Applications

JONCRYL® 74 is a film-forming emulsion for use in water-based flexographic and gravure inks and overprint varnishes providing excellent water and grease resistance. It may be used as a modifier to improve filmforming properties of high MFT polymer emulsions.

Typical formulations using JONCRYL® 74

flexographic printing ink

35.0	parts	pigment concentrate*
59.5	parts	JONCRYL® 74
5.0	parts	PE wax emulsion*
0.5	parts	defoamer
100.0	parts	

overprint varnish for paper and paperboard

65.0	parts	JONCRYL® 74
20.0	parts	JONCRYL® 8078
7.0	parts	PE wax emulsion*
8.0	parts	water
100.0	parts	

* BASF also offers a full range of wax emulsions and dispersion resins.
For further detailed application information please contact our Technical Support Department.

Safety

When handling these products, advice and information given in the safety data sheet must be complied with. Further, protective and workplace hygiene measures adequate for handling chemicals must be observed.

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. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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