

JONCRYL® 538

Key features and benefits

- excellent solvent and detergent resistance
- plasticiser migration resistant
- good adhesion to non-absorbing substrates
- pigment wetting

an acrylic polymer emulsion for use in detergent resistant overprint varnishes and water-based inks for PVC flooring and wallpaper

General information

Typical physical characteristics (not to be considered specifications)

appearance	semi translucent emulsion
non-volatile	46.5%
molecular weight (wt. av.)	>200,000
viscosity at 25 °C (77 °F) (Brookfield)	250 mPa.s
pH	7.7
acid value (on solids)	70
density at 25 °C (77 °F)	1.05 g/cm ³
minimum film-forming temperature	60 °C (140 °F)
glass transition temperature Tg (DSC)	64 °C (147 °F)
freeze/thaw-stable	yes

Applications

JONCRYL® 538 is a non-film-forming emulsion developed for use in water-based inks and overprint varnishes providing excellent solvent and detergent resistance. Additionally it avoids plasticiser migration from PVC substrates. In order to obtain maximum performance and adhesion JONCRYL® 538 must be coalesced.

Typical formulations using JONCRYL® 538

alkali/water resistant overprint varnish

54.0 parts	JONCRYL® 538
30.0 parts	JONCRYL® 683 solution
4.0 parts	DEGBE 4.0
5.0 parts	PE wax emulsion*
0.5 parts	defoamer
6.5 parts	water
100.0 parts	

alkali/water resistant ink for wallpaper

10.0 parts	pigment concentrate*
55.0 parts	JONCRYL® 538
10.0 parts	JONCRYL® 683 solution
2.5 parts	DEGBE
5.0 parts	IPA
5.0 parts	PE wax emulsion*
0.5 parts	defoamer
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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