

Key features and benefits

- alkali resistance
- excellent water and wet block resistance
- good resolubility

JONCRYL[®] 586

an acrylic resin for use in alkali resistant water-based inks and overprint varnishes

General information

Typical physical characteristics (not to be considered specifications)

appearance	clear solid resin
non-volatile	97%
molecular weight (wt. av.)	4,300
acid value (on solids)	110
density at 25 °C (77 °F)	1.10 g/cm ³
glass transition temperature T _g (DSC)	66 °C (151 °F)

Applications

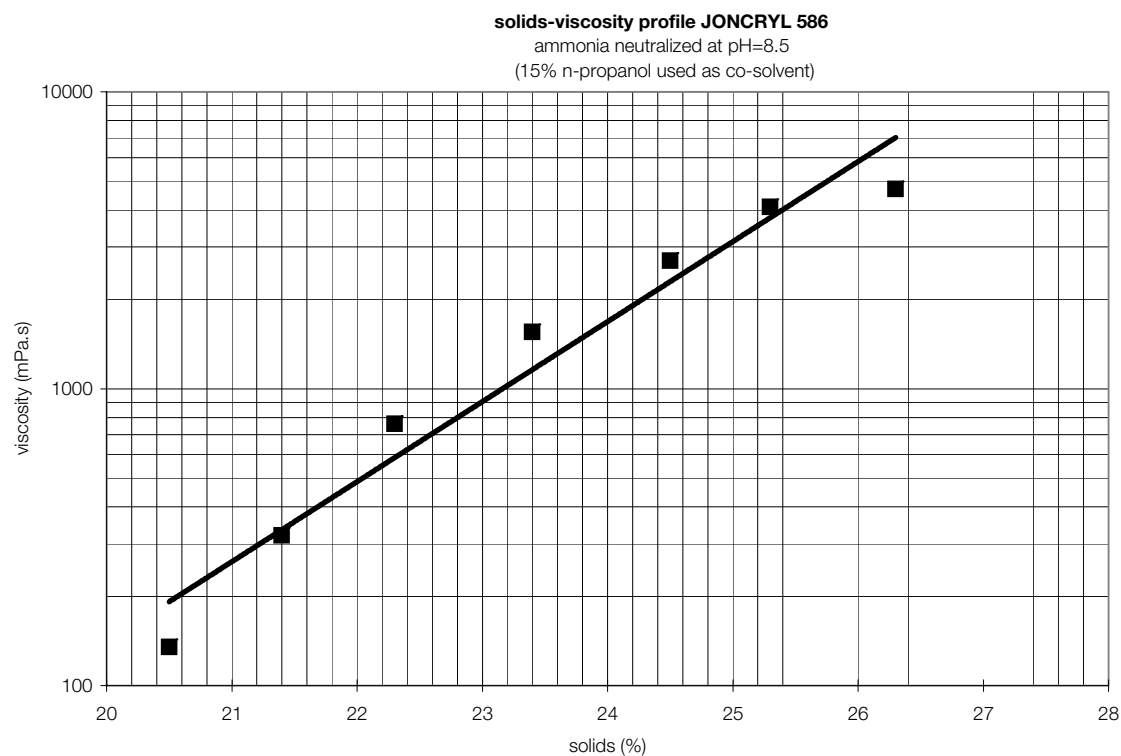
JONCRYL® 586 has been designed to improve alkali resistance of overprint lacquers and inks, whilst maintaining good transfer and resolubility. When used in conjunction with water resistant emulsions, the resultant inks and lacquers provide good water and wet block resistance.

Typical solution of JONCRYL® 586

54.0 parts	JONCRYL® 586
4.0 parts	n-Propanol
5.0 parts	ammonia (28%)
6.5 parts	water
100.0 parts	

pH	8.5%
viscosity (Brookfield at 25°C)	6,000 mPa.s

Resin cuts may be produced at various viscosities by adjusting the solids level and the pH and solvent content. The following graphs provide a guideline to the expected results using different solids and various pH levels.



Typical formulations using JONCRYL® 586

alkali/water resistant overprint varnish

30.0 parts	JONCRYL® 586 solution
54.0 parts	JONCRYL® 537
4.0 parts	DEGBE
5.0 parts	PE wax emulsion*
0.5 parts	defoamer
6.5 parts	water
100.0 parts	

alkali resistant pigment concentrate

30.0 parts	JONCRYL® 586 solution**
40.0 parts	Pthtalo blue 15:3
0.5 parts	defoamer
19.5 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.

** DMEA neutralized.

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.

BASF Resins B.V.
P. O. Box
8440 AJ Heerenveen, The Netherlands
Phone +31 513 619 619
Fax +31 513 619 600
resins@basf.com
www.basf.com/resins