

# Joncryl<sup>®</sup> MB 90

**General** an environmentally advanced styrene-acrylic emulsion for use in water-based overprint varnishes and inks

- Key features & benefits**
- excellent optical clarity
  - high gloss
  - good heat resistance
  - fast drying
  - **a Biomass Balance product certified according to the TÜV SÜD certification standard CMS 71. 100 % of the fossil feedstock required for this product is replaced by renewable raw materials (Mass Balance approach)**

**Chemical nature** styrene-acrylic emulsion

## Properties

**Appearance** semi-translucent emulsion

**Typical characteristics**  
*(should not be interpreted as specifications)*

non-volatile	44 %
molecular weight (wt. av.)	> 200,000
Brookfield viscosity at 25 °C	260 mPa.s
pH	8.3
acid value (on solids)	76
density at 25 °C	1.05 g/cm <sup>3</sup>
minimum film-forming temperature	> 85 °C
glass transition temperature Tg (DSC)	110 °C
freeze/thaw-stable	yes

## Application

Joncryl<sup>®</sup> MB\* 90 is a non-film-forming emulsion developed for use in water-based overprint varnishes and flexographic and gravure inks, providing high heat seal and film release properties. The heat resistant properties may be further enhanced by the addition of Zinc Ammonium Carbonate solution. In overprint varnishes Joncryl<sup>®</sup> MB 90 additionally provides gloss and optical clarity.

\* MB = Mass Balance

## Typical formulations using Joncryl® MB 90

flexographic overprint varnish for paper and paperboard

60.0 parts	Joncryl® MB 90
27.0 parts	Joncryl® 8078
5.0 parts	PE wax emulsion*
2.5 parts	Solvenon® DPM
3.0 parts	wetting agent
0.5 parts	defoamer
2.0 parts	water
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100.0 parts	

high gloss overprint varnish for in-line offset paperboard

56.0 parts	Joncryl® MB 90
31.0 parts	Joncryl® 8085
5.0 parts	PE wax emulsion*
2.5 parts	Solvenon® DPM
3.0 parts	wetting agent
0.5 parts	defoamer
2.0 parts	water
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100.0 parts	

flexographic printing ink for paper and paperboard

40.0 parts	pigment concentrate*
50.0 parts	Joncryl® MB 90
5.0 parts	PE wax emulsion*
2.0 parts	Solvenon® DPM
2.5 parts	water
0.5 parts	defoamer
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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 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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