

# JONCRYL<sup>®</sup> 8383

## Key features and benefits

- high clarity and “warmth of wood”
- excellent water resistance
- good block resistance and sandability
- very good wet adhesion and flexibility

**a self-crosslinking acrylic polymer emulsion developed for use in outdoor (joinery) industrial wood coatings**

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## General information

### Typical physical characteristics (not to be considered specifications)

appearance	semi translucent emulsion
solids by weight	40 %
viscosity at 25° (Brookfield)	80 mPa.s
specific mass as supplied	1,050 kg/m <sup>3</sup>
pH	8.1
acid value (solids)	23
minimum film-forming temperature	16 °C (61 °F)
Shelf life	12 months
freeze/thaw-stable	no

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## **Applications**

JONCRYL® 8383 has been designed for factory applied clear and pigmented wood finishes, on fast drying lines at room temperature drying. JONCRYL® 8383 is also very suitable for high water and chemical resistant primers. (It can easily be over coated with a solvent-based system.)

## **Performance**

JONCRYL® 8383 shows excellent water resistance, high hardness, block resistance and excellent wet adhesion/elasticity (for outdoor purposes). JONCRYL® 8383 allows you to formulate a coating with a unique balance of chemical resistance, mechanical properties and appearance. For outdoor purposes JONCRYL® 8383 shows very good wet adhesion. The crosslinking chemistry of JONCRYL® 8383 allows drying at room and elevated temperature. The high clarity, hardness development and block resistance in combination with water resistance make the product suitable for replacing solvent-based coatings.

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## Formulation guidelines

### Coalescing

JONCRYL® 8383 film-forming properties are excellent; the product is designed for efficient response to coalescents, resulting in a low coalescing solvent demand. For optimal film formation it is crucial to select a well balanced coalescing, see starting point formula. (The use of butyl-glycol can cause a viscosity decrease over time.)

### Stability

JONCRYL® 8383 is a self-crosslinking polymer it is recommended to test the stability of the formulated lacquer for 4 weeks at 40°C.

### Appearance

The wetting, clarity, flow and leveling of JONCRYL® 8383 over light and dark wood is excellent and no special additives are needed.

### Block resistance

JONCRYL® 8383 shows excellent early block resistance due to the fast drying and the fast hardness development. The product is easy to sand without clogging of the sandpaper. Block resistance is strongly influenced by the coalescing solvent package and drying circumstances.

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## 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.

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## 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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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