

Key features and benefits

- high clarity and warmth of wood
- quick hardness development
- good chemical resistance
- high hardness, block resistance and sandability

JONCRYL[®] 8330

a self-crosslinking acrylic polymer emulsion developed for use in industrial wood coatings

General information

Typical physical characteristics (not to be considered specifications)

appearance	semi translucent emulsion
solids by weight	38 %
viscosity at 25° (Brookfield)	50 mPa.s
specific mass as supplied	1,040 kg/m ³
pH	8.1
acid value (solids)	25
minimum film-forming temperature	33 °C (91 °F)
shelf life	12 months
freeze/thaw-stable	no

Applications

JONCRYL® 8330 has been designed for factory applied clear wood finishes on fast drying lines and for room temperature drying.

Performance

JONCRYL® 8330 compared with thermoplastic emulsions shows a unique balance of chemical resistance, mechanical properties and appearance. When compared with other water-based self-crosslinking systems, JONCRYL® 8330 shows high hardness and block resistance even when dried at room temperature. The crosslinking chemistry of JONCRYL® 8330 allows drying at room and elevated temperature. The high clarity, hardness development and block resistance in combination with chemical resistance makes the product suitable for replacing solvent-based coatings.

Formulation guidelines

Coalescing

JONCRYL® 8330 is best coalesced with 6% Texanol¹ and 3% Dowanol² PnB calculated on the delivery form.

Stability

As JONCRYL® 8330 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® 8330 over light and dark wood is excellent and no special additives are needed. Despite the pH of approximately 8.1 JONCRYL® 8330 develops good color in clear coating on oak substrates.

Block resistance

JONCRYL® 8330 shows good block resistance due to the fast drying and the fast hardness development. The product is easy to sand. Block resistance is strongly influenced by the coalescing solvent package and drying conditions.

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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² registered trademark of The Dow Chemical Company

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