BASF
The Chemical Company

Joncryl® 8386

preliminary datasheet

a self-crosslinking emulsion from the new generation of exterior industrial joinery products

Key features and benefits

- outstanding QUV resistance
- outstanding durability: weathering (water, sand, hail)
- fast drying at room temperature
- excellent clarity (wet transparency)
- excellent wet adhesion and flexibility
- excellent resistance to water whitening

General information

Typical physical characteristics (not to be considered specifications)

appearance	semi-translucent emulsion
solids by weight	40 %
viscosity at 25 °C (77 °F) (Brookfield)	75 mPa.s
specific mass as supplied	1,030 kg/m^3
pH	8.0
acid value (solids)	25
minimum film-forming temperature	< 5 °C (< 41 °F)
shelf life	12 months
freeze/thaw-stable	no

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Applications

Joncryl® 8386 is the first of the next generation line of coating products. This self-crosslinking emulsion has been designed for factory applied clear and pigmented wood finishes for both primer and top coat systems applied by dipping, spraying and flow-coating.

Performance

Joncryl® 8386 displays outstanding QUV resistance (above market standards).
This makes Joncryl® 8386 a highly durable product able to withstand all of the external resistance required from a wood finishes coating over time without additional binders (e.g. poly-urethane dispersions) that are adding costs to the final formulation.
Joncryl® 8386 also has excellent wet adhesion, water whitening and block resistance which makes it easy to handle under factory conditions and is an excellent alternative to solvent-based systems.
Joncryl® 8386 is a self-crosslinking polymer which allows fast drying at room or elevated temperatures.

Formulation guidelines

Coalescing
Joncryl® 8386 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 agent.

Stability
Joncryl® 8386 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® 8386 over light and dark wood is good, no special additives are needed.

Block resistance
Joncryl® 8386 shows excellent early block resistance due to the fast drying. Block resistance is strongly influenced by the coalescing solvent package and drying circumstances.

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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