

Joncryl[®] 95-E

Key features and benefits

- fast drying speed and hardness development
- good wetting, sealing and penetration
- good sanding properties
- warm appearance and high clarity
- minimal fibre raising

a fine particle size acrylic colloidal dispersion for stains, clear sealers, pigmented primers and clear topcoats for interior wood applications

General information

Typical physical characteristics (not to be considered specifications)

appearance	transparent emulsion
solids by weight	30 %
solids by volume	26 %
viscosity at 25 °C (77 °F) (Brookfield)	100 mPa.s
specific mass as supplied	1,042 kg/m ³
specific mass solids	1,200 kg/m ³
pH	8.0
acid value (solids)	70
glass transition temperature T _g (DSC)	43 °C (109 °F)
minimum film-forming temperature	20 °C (68 °F)
freeze/thaw stable	yes

Applications

Joncryl® 95-E is a versatile polymer useful for several wood applications. It is recommended for industrial wood coating applications, including impregnating stains, pigmented primer-surfacers, clear sealers and transparent topcoats.

Joncryl® 95-E is also suitable for architectural interior wood stains, wood dyes and clear sealers. Being compatible with water reducible alkyds, polyurethane dispersions and emulsified oils, Joncryl® 95-E can be utilized as a modifying vehicle in order to improve drying speed, residual tack and film-formation.

Performance

Because of the very fine particle size emulsion (45 nanometer) the emulsion is highly transparent and will improve the ease of application of your coating. The viscosity range can easily be controlled by pH and the product has a wide stability to colorants and dyes.

The use in topcoats is only recommended if a high level of chemical resistance is not required.

Joncryl® 95-E as modifier

Due to its good compatibility with water reducible alkyds and emulsified oils, Joncryl® 95-E can be used as a modifier to lower coalescing solvent demand and to increase the drying speed of these binders. It exhibits a significant drying improvement without affecting the gloss.

Formulation guidelines

Coalescing

To reduce the MFT to 10 °C, add Butylglycol at 2.0 % by weight on Joncryl® 95-E (as delivered).

Foam control

The following anti-foam additives were found effective in Joncryl® 95-E:

BYK® 020

BYK® 024

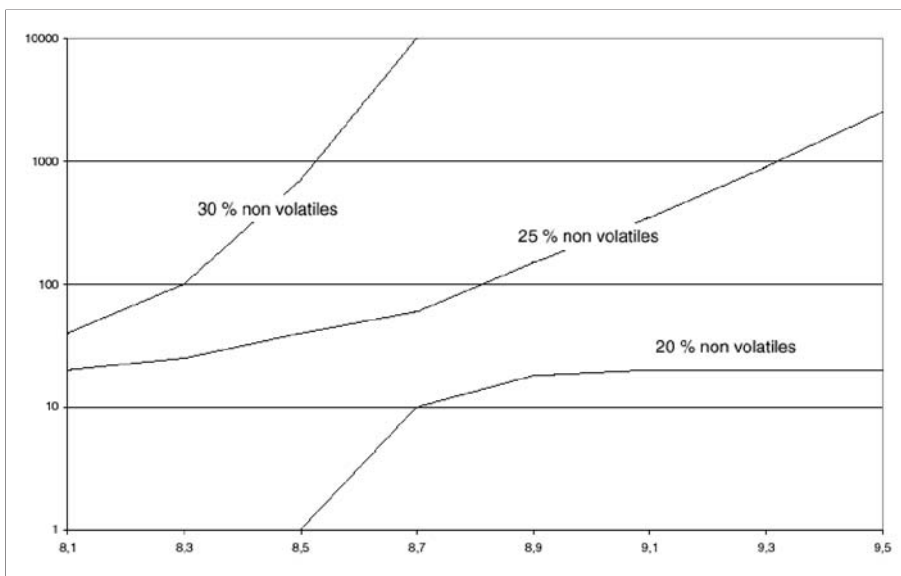
BYK® 022

Drewplus® 4202

Thickening

The viscosity of Joncryl® 95-E can be adjusted for application by either increasing pH with diluted (25 %) ammonia solution, or by reducing the non-volatile content with water (figure 1).

Figure 1



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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