

Joncryl® 1992

Key features and benefits

- excellent wet-hot block resistance
- excellent sandability
- good water resistance

a rheology controlled acrylic emulsion recommended for fast drying, high wet-hot block resistant coatings to be applied with roller or curtain coaters on e.g. door skins

General information

Typical physical characteristics (not to be considered specifications)

appearance	white emulsion
solids by weight	43 %
viscosity at 25 °C (77 °F) (Brookfield)	125 mPa.s
pH	8.5
glass transition temperature Tg (DSC)	78 °C (172 °F)
minimum film-forming temperature	>60 °C (140 °F)
freeze/thaw-stable	no

Applications

Joncryl® 1992 is a waterborne acrylic emulsion that can be used in either an ambient or force dry system. Joncryl® 1992 emulsion offers good chemical resistance and clarity in a good hard film. A key use is for wood coatings that require resistance to various chemicals. The chemical resistance of Joncryl® 1992 emulsion may allow its use in other applications such as concrete coating, speciality hardboard and plastics.

Formulation guidelines

Coalescent levels

For good film-formation, solvent levels of 25-35 % on polymer solids are recommended. When E-series glycol ethers cannot be used, solvents such as Solvenon® DPnB or DPnP can be used in combination with DPM (which aids in hydrophobic solvent incorporation and substrate wetting).

Rheology modifiers

To improve the sag resistance of the formulated coatings, the use of associated thickeners is recommended. Thickeners, such as DSX®¹-1550 or Acrysol®² RM-825 can be used at low levels. Ease of incorporation can be enhanced by pre-mixing the thickener in water or a water/solvent mixture.

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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