

Joncryl[®] U4190

preliminary datasheet

Key features and benefits

- economical
- ecological
- abrasion resistance
- film toughness
- chemical resistance
- excellent adhesion

an economical, ecological “NMP”-free aliphatic water-based polyurethane dispersion

General information

Typical physical characteristics (not to be considered specifications)

appearance	translucent emulsion
solids by weight	36.5 %
pH	8.5
viscosity at 25°C (Brookfield)	< 220 mPa.s
minimum film-forming temperature	23 °C (73 °F)
particle charge	anionic
freeze/thaw-stable	no

Applications

Joncryl® U4190 is an aliphatic polyurethane dispersion in water. Joncryl® U4190 gives a combination of film hardness, flexibility and toughness, along with excellent adhesion and abrasion resistance. It imparts excellent water resistance to coatings for wood, metal, concrete and plastic. Joncryl® U4190 is compatible with a wide range of acrylic emulsions and is useful in upgrading adhesion, toughness and flexibility.

Coatings formulated with Joncryl® U4190 exhibit excellent adhesion to wood, metal, concrete and a variety of plastic substrates including ABS, polycarbonate and polystyrene.

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.

BASF Nederland B.V.
Performance Chemicals
P. O. Box 390
8440 AJ Heerenveen, The Netherlands
Phone +31 513 619 619
Fax +31 513 619 600
resins@basf.com
www.basf.com/resins