

Joncryl[®] 8224

General

Joncryl[®] 8224 is a rheology controlled acrylic workhorse emulsion for use in industry applied coatings for furniture and flatstock or metal primers.

Key features & benefits

fast drying and good hardness development
excellent early block resistance and stackability for on-site application
good grain enhancement and appearance
very good adhesion to various substrates including melamine, UV primer, metal etc.
good compatibility with WB UV emulsion

Chemical nature

acrylic dispersion

Properties

Appearance

Semi-translucent milky liquid

Typical characteristics

(should not be interpreted as specifications)

solid by weight	43.5%~46.5%
viscosity at 25 °C (Brookfield)	30~150 mPa·s
specific gravity	1.05 g/mL
pH value	7.4~8.1
acid value	53 mg KOH/g solid
MFFT	10 °C
freeze/thaw-stable (-5 °C)	yes

Application

Joncryl[®] 8224 is developed for application in clear primers and topcoats for furniture and flatstock.

Performance

Due to its excellent stackability, drying speed and fast hardness development, Joncryl[®] 8224 can be used in high speed lines, Joncryl[®] 8224 has good adhesion to a variety of substrates, including melamine, UV-coated substrates and galvanized metal. Joncryl[®] 8224 has good chemical resistance as well.

Formulation guidelines

Coalescent

Joncryl® 8224 can be coalesced with a mix of 10 % butylglycol/Solvenon® DPnP 1:1, calculated on delivery form Joncryl® 8224. Best properties with Joncryl® 8224 are obtained after drying minimal 10 minutes at 40 °C or higher. For low temperature film-forming, higher coalescing solvent amounts are recommended.

Matting

Good results are obtained with 2% Acematt¹ TS-100 silica matting agent, but also other matting agents can be used with success. Higher amount of silica matting agent can result in lower film clarity.

¹Registered trademark of Evonik Industries.

Storage

This product should be stored in tightly sealed original package at temperatures above 0°C. This product must be protected from frost for a long time.

For further detailed application information please contact our Technical Support Department.

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

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. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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