

Joncryn[®] WAX 120

General

A paraffin/polyethylene wax emulsion for overprint varnish, industrial coating, and functional packaging coating applications

Key features & benefits

water shedding
low VOC and coefficient of friction (COF)
FDA* acceptability

Chemical Composition

paraffin/polyethylene wax emulsion

**The FDA status is available upon request from the contact information provided below.*

Properties

Appearance

tan liquid

Typical characteristics

(should not be interpreted as specifications)

non-volatile at 145°C (2g, 30 min)	~ 33.0 – 35.0%
pH at 25°C	~ 8.4 – 9.6
viscosity (#2 LV, 30 rpm, 30 sec)	~700 cps
average particle size	0.08 µm
density at 25°C	0.98 g/cm ³
melting point	56°C
freeze-thaw stable	No
total VOC	<0.005% wt

Application

Joncryn[®] WAX 120 is a small particle size, very low VOC paraffin/polyethylene wax emulsion designed for water shedding, heat release, and low COF with FDA acceptability. It combines the film forming and water shedding characteristics of paraffin wax with the durability and broad compatibility of polyethylene wax.

Joncryn[®] WAX 120 is recommended for applications such as:

- Overprint varnishes for commercial or publication applications
- Functional packaging coating applications
- Interior/exterior general metal coating applications
- Interior/exterior wood coatings for millwork applications

Joncryn[®] WAX 120 will separate upon aging and must be agitated to uniformity before each use. Failure to follow this procedure will result in unpredictable finished product performance. Inks and coatings containing this product may require “agitate before use” instructions.

Joncryl® WAX 120 can result in finished products that are totally impervious to penetration by many conventional adhesive and coating products. Care should be exercised to determine glue-ability and recoat properties of finished formulations and combining this product with other products. Different orders of addition should be evaluated to avoid the possibility of wax kick-out.

Joncryl® WAX 120 TDS EN (10-2019)

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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