

# Joncryl<sup>®</sup> ECO 2124-E

## General

a glycol ether free acrylic emulsion for use in water-based inks and coatings for paper, board and film applications

## Key features & benefits

- low VOC
- glycol ether free
- good oil and grease barrier
- excellent printability
- good water resistance
- good compatibility

## Chemical nature

a styrene acrylic emulsion

## Properties

### Appearance

semi-translucent emulsion

### Typical characteristics

*(should not be interpreted as specifications)*

non-volatile	47 %
molecular weight (wt. av.)	> 200,000
Brookfield viscosity at 25 °C	1,150 mPa.s
pH (25 °C)	7.9
acid value (on solids)	65 mg KOH/g
density at 25 °C	1.04 g/cm <sup>3</sup>
minimum film-forming temperature	< 5 °C
glass transition temperature Tg (DSC)	-35 °C
freeze/thaw-stable	yes

## Application

Joncryl<sup>®</sup> ECO 2124-E is a film-forming emulsion that is glycol ether free and low VOC. It provides excellent gloss, leveling, resolubility and drying speed in flexographic and gravure printing inks and coatings.

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## Application (continued)

Joncryl® ECO 2124-E is an effective oil & grease and liquid water barrier for paper and board packaging. Typical Joncryl® ECO 2124-E dosage rates of 4 – 10 dry g/m<sup>2</sup> can provide an effective oil & grease resistance and liquid water barrier for various packaging paper and board substrates.

Joncryl® ECO 2124-E can be applied on a rod coater before a corrugator and on a flexo press as long as there is sufficient drying capability between the print stations.

Joncryl® ECO 2124-E can also be applied with a blade, rod or curtain coater as part of standard coating formulations to improve barrier properties.

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

Joncryl® ECO 2124-E TDS EN (08-2019)

### 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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