



Aiming for the future with water-based technology for flexible packaging inks

Suitable for low to heavy duty surface and reverse print & lamination applications

Performance

- Excellent resolubility and resistance properties
- Excellent adhesion on non-absorbing substrates
- High lamination bond strength in different film structures
- Good compatibility with different pigment concentrates

Sustainability

- Water-based technology
- Swiss list compliance
- Reduced emissions throughout the life cycle
- Reduced carbon footprint
- Improved worker's health and safety
- Free from VOC

Suitable application for lamination inks based on Joncryl® FLX 5220

 **BASF**
We create chemistry

Joncryl® FLX product line

Resins for water-based printing inks on flexible packaging

The Joncryl® FLX range is the market reference in water-based chemistry for printing inks for film & foil. Our water-based resins provide excellent resistance or lamination bond strength. In combination with high resolubility, they provide a similar performance as solvent-based alternatives to flexible packaging printers and converters.

The Joncryl® FLX line is offering the ink formulator an opportunity to formulate water-based printing inks that fulfil many demands of the market for film & foil. The different products all have their own benefits and together they cover a broad range of properties needed to print film for flexible packaging.

The benefits of water-based printing:

- No Versatile Organic Compounds (VOC), so a healthy working environment for your employees
- No costs for solvent incineration
- No need for explosion proof production equipment
- Reduction of ink consumption due to higher pigment concentration
- Less time spent on reporting environmental effects to comply with permits
- Compliant with the Solvent Emission Directive, the ATEX Directive and the Integrated Pollution Prevention and Control Directive (IPPC)

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	Products*	Key properties	Application
Surface print	Joncryl® FLX 5000*	Good resolubility and resistance	Low and medium duty surface printing (LDPE and OPP substrates) e.g. shopping bags and bread bags
	Joncryl® FLX 5010	Excellent resistance and good heat-seal resistance	High resistance surface print applications e.g. heavy duty, bread and deep-freeze bags
	Joncryl® FLX 5060	Excellent resolubility and high end resistance	Medium and heavy duty surface printing (PE, PP) e.g. shopping bags, fertilizer and deep-freeze bags, collation shrink film, dry food packaging, bundle wraps
	Joncryl® FLX EB 5500	Excellent press handling and resistance properties	Medium and heavy duty surface printing e.g. outdoor sacks. With this electron beam curable binder inks can be formulated as a standard water-based ink
Reverse print & Lamination	Joncryl® FLX 5201	Excellent lamination bond strength	Low and medium duty lamination printing e.g. crisp and candy bags. Suitable for OPP, PET and nylon lamination
	Joncryl® FLX 5220	Superior resolubility, printability and excellent lamination bond strength	Medium duty and high end lamination printing e.g. snack food, confectionary, baked goods. Suitable for OPP, PET and nylon lamination

* also available as Bio-Mass Balanced version

