



Suitable application for primers, inks and OPVs based on Joncryl® DPS products

# Water-based technology for Digital Printing Solutions

Resins for a wide range of digital primers, inks and OPVs for absorbent and non-absorbent substrates.

## Performance

- Excellent jettability
- Increased color density
- Good compatibility with different pigment concentrates
- High salt compatibility
- Applicable on many substrates
- Excellent lamination bond strength

## 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

 **BASF**

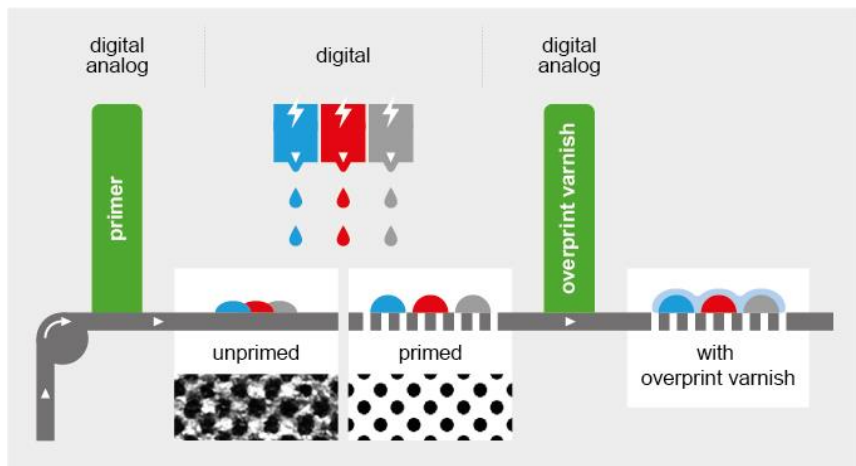
We create chemistry

# Joncryl® DPS product line

## Binders for water-based digital primers, inks and OPVs

The Joncryl® DPS range is developed to produce primers, inks and OPVs which are digitally applied. Several properties are important for these types of products like particle size distribution, viscosity stability and salt compatibility. With this range of resins, you will be able to formulate a wide range of high quality products for absorbent and non-absorbent substrates.

### Water-based digital printing



customized printed  
corrugated board boxes



customized printed  
luxury vinyl tiles



## Contacts

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	Products*	Description	Application/Properties
Primer	Joncryl® DPS 3611	Acrylic emulsion for digital primer for absorbing substrates	<ul style="list-style-type: none"> <li>• Low dot gain behavior</li> <li>• Increased color density</li> <li>• Improved sharpness</li> </ul>
	Joncryl® DPS 3771	High Tg emulsion for digital ink and OPVs for all substrates	<ul style="list-style-type: none"> <li>• High chemical resistance</li> <li>• Good printability</li> <li>• Excellent viscosity stability</li> </ul>
Ink & Overprint Varnish	Joncryl® DPS 3772	Low Tg emulsion for digital ink and OPVs for all substrates	<ul style="list-style-type: none"> <li>• High chemical resistance</li> <li>• Good printability</li> <li>• Excellent viscosity stability</li> </ul>
	Joncryl® DPS 3773	Solid grade resin for digital ink and OPVs for absorbing substrates	<ul style="list-style-type: none"> <li>• Excellent printability</li> <li>• Good color strength development</li> <li>• Good resolubility</li> </ul>
	Joncryl® DPS 3775	High Tg emulsion for digital ink and OPVs, specifically designed for pre-print corrugated board applications	<ul style="list-style-type: none"> <li>• Excellent printability</li> <li>• Good hot-scuff resistance</li> <li>• Good water resistance</li> </ul>
	Joncryl® DPS 3791	Polyurethane dispersion for all substrates	<ul style="list-style-type: none"> <li>• Specifically for continuous inkjet</li> <li>• High salt compatibility</li> <li>• Excellent lamination properties</li> </ul>
Pigment grinding	Joncryl® HPD range	Premium performance dispersion resin solutions for high concentrated pigment dispersions to be used in water-based inks	<ul style="list-style-type: none"> <li>• Very high concentrated dispersions</li> <li>• Superior color development/pigment savings</li> <li>• Excellent shock stability with letdown</li> <li>• Decreased grinding time compared to standard dispersing agents</li> </ul>