



We create chemistry



JONCRYL[®] HPB 4K Series Recyclable, Heat Sealable

Effective tools enabling formulation of high-performance liquid barriers

Performance benefits

- Enables formulation of water-based barrier coatings with similar properties as extruded PE
- Heat-sealable, block-resistant, liquid barrier with food contact approval for paperboard packaging

Sustainability benefits

- Confirmed repulpable and recyclable by in-house laboratory testing.
- Enables barrier and heat seal performance with repulpability
- Provides an option to minimize waste in converting processes



Multiple liquid barrier applications enabling recyclability

JONCRYL HPB 4K Series

A toolkit of recyclable, heat-sealable, liquid barrier coatings products for paperboard packaging

JONCRYL HPB 4K Series is a system designed for application flexibility with components that can be used as a primer along with a topcoat binder. After formulating, the system provides a highly water-resistant, heat-sealable coating with good block resistance for use on paperboard packaging.

Comparison of 2-layer JONCRYL HPB 4000 & 4020;
JONCRYL HPB 4010 & 4030 coating systems to
extruded polyethylene



JONCRYL HPB 4K Series

JONCRYL HPB 4000

JONCRYL HPB 4010

JONCRYL HPB 4020

JONCRYL HPB 4030

Possible Product Combinations based on performance need

For Wet Block Resistance:

Primer/Topcoat 4000/4020

For Hot Tack Performance:

Primer/Topcoat 4010/4030

Enables sustainable packaging with barrier and heat seal

- **Good barrier and heat seal properties, while still repulpable**
 - Flexibility in application methods (e.g. rod, gravure)
 - Suitable on a wide range of packaging
 - Wet block resistance for high humidity conditions
 - Good bond strength at elevated temperature

Contacts

Please contact our technical service department for more help on formulating with products from the Joncryl product line.

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