



MaxxLink® 8020

Bond Enhanced Waterproofing Resin for Corrugating

PRODUCT DESCRIPTION

MaxxLink® 8020 is a thermosetting ketone aldehyde in solution, specifically formulated to impart not only excellent water resistance to starch based corrugating adhesives but also provide very good green bond to the produced corrugated board. It has shown consistent performance across a variety of substrates and results in very low free formaldehyde levels.

TYPICAL PROPERTIES	
Solids	53-58%
pH	6-7
Specific Gravity, g/ml	1.1 – 1.2
Color	Clear Amber Solution
Viscosity (Brookfield, 20C) mPas)	250-500
Formaldehyde Level	None Detected

MaxxLink® 8020 has excellent shelf life of 12 months. It should be stored in cool conditions. Refer to the **MaxxLink 8020** SDS for further handling information.

Benefits & Features

- **Faster Machine Speeds**
- **Excellent Versatility**
 - ▶ **Very Good Consistency**
 - ▶ **Low Volatile Organic Content**
 - ▶ **Economical Formulations**
 - ▶ **Excellent Water Resistance**
 - ▶ **Good Pin Adhesion**
 - ▶ **Good Viscosity Stability**

APPLICATION & DOSAGES

MaxxLink® 8020 is used to provide MRA, WRA, and WPA levels of water resistance to the starch adhesive in corrugated boxes. These type resins are essential for corrugated plants producing boxes that need resistance to a variety of moisture conditions including high humidity, tropical climates, and top ice packaging. **MaxxLink® 8020** is typically dosed at 1-3% on the weight of the starch depending on the degree of water/moisture resistance required.

Let MCTRON Raise Your Expectations...

MCTRON's Technical Support Team is available to assist with the formulation of all our products to optimally suit your specific production needs and manufacturing environment.

MCTRON Technologies Guarantee

If any product is defective in workmanship or materials, MCTRON Technologies, LLC will replace the product, or refund the full purchase price. This warranty is in place of all other warrants, expressed or implied, and all implied warrants of a product for an intended use shall be solely up to the user. MCTRON Technologies, LLC assumes no liability for consequential damages. Its liability shall in no event exceed the purchase price of materials supplied by it.

Resin Trials versus Competitor

MaxxLink 8020 Ultra Low Formaldehyde No Filler (Urea)

Trial #2 - This trial was run versus a competitor who is a major starch producer. The trial was run to obtain an LCL (Lower Process Control Limit) above 2.0.

The competitive board fell apart after soaking. The MaxxLink 8020 gave an LCL of 2.07. This value is the Average (3.24) minus 3 Sigma (0.37).

The LCL for the dry pins remained unchanged. The LCL for Dry Pins with our resin was slightly higher (Up 8%) while the average value was lower (Down 10%).

	Average	LCL
Wet Pins - Competitor	0.00	0.0
Wet Pins - MaxxLink 8020	3.24	2.07
Dry Pins - Competitor	82.6	52.3
Dry Pins - MaxxLink 8020	74.5	56.4

Resin Trials versus Competitor

MaxxLink 8020 Ultra Low Formaldehyde No Filler (Urea)

Trial #1 - This trial was run at a mill that is owned and operated by a Fortune 500 company. The trial was run to show improvement in wet pin adhesion with our MaxxLink 8020. Board for the competitive resin was run just prior to the 8020 being substituted for it. This mill's target was to get their single facer numbers up by 25%. The MaxxLink 8020 improved SF Wet Pin Adhesion by 42%. Dry Pins were essentially unchanged (Less than 4% variation on both SF and DB)

	Wet, LBF	Dry, LBF
DB Pins - Control	2.83	51.3
DB Pins - 8020	3.03	50.4
SF Pins - Control	2.49	62.8
SF Pins - 8020	3.55	65.3