











**MaxxLink® XL-8020
Bond Enhanced Water Proofing Resin for Corrugating**

MaxxLink XL-8020 is a thermosetting ketone aldehyde in aqueous solution, specially formulated to impart not only excellent water resistance to starch based corrugating adhesives but also gives very good green bond to the produced corrugated board and in addition has a very low free formaldehyde content.

FEATURES

-  Excellent Versatility
-  Very good consistency
-  Low Volatile Organic Content
-  Economical formulations
-  Excellent water resistance
-  Faster Machine Speeds
-  Good Pin Adhesion
-  Adhesives formulated with **MaxxLink XL-8020** have shown good viscosity stability

TYPICAL PHYSICAL PROPERTIES

| | |
|------------------------------------|------------------|
| Appearance | Aqueous Solution |
| Solids (1 hr. 105°C), % | 53-58 |
| pH | 6-7 |
| Viscosity (Brookfield, 20°C), mPas | 250-500 |
| Specific Gravity (20°C), g/ml | 1.130 – 1.167 |
| Color | Clear or Red |
| Free Formaldehyde, % | None Detected |
| Shelf Life (@25°C) | 12 months |

If properly applied, **MaxxLink XL-8020** fully complies with the F.E.F.C.O. Bond test No. 9. **MaxxLink XL-8020** also complies by the FDA per Regulation 21 CFR 175.105 and can be used as a component of articles intended for use in packaging, transporting or holding food.

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 the 8020 being substituted for it. This mills 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 |

Resin Trials versus Competitor

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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 |

Let MCTRON Technologies raise your expectations.

McTron Technologies, LLC Technical Support Team is available to provide assistance with the formulation of all our products to optimally suit your specific needs.

McTron Technologies LLC 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.