



Technical Data Sheet
Version 3. 21/01/2026

Korrobond 65 ULTRA - Epoxy Crusher Backing Compound

Description: Korrobond 65 ULTRA (aka, High Performance) is a two-component epoxy backing compound specifically designed for various mining and quarrying applications. It serves as a backing and reinforcing layer between machine parts and as a damper when subjected to impact and shock loads.

Intended Use: Industrial Use: Mining crusher equipment

Features: Very high compressive strength
100% Solids, minimal shrinkage
Easy to mix and pour
Long established OEM
Aftermarket proven product
High impact strength and resilience
User and environmentally-friendly.

Limitations: Suitability of product is determined by the end user for their application and process.

Typical Physical Properties: Technical data should be considered representative or typical only and should not be used for specification purposes.

Cured 7 Days @ 75°F (24°C)

	Typical Values
Adhesive Lap Shear Strength	14 Mpa / 2000 PSI
Tensile Strength	41.37 MPa / 6,000 PSI
Hardness Shore D	> 85D
Compressive Strength	135 +/-7 Mpa / 19,500 +/-1000 PSI
Cure Shrinkage	<0.01%
Colour	Light Blue

Standard Tests

Adhesive Lap Shear ASTM D 1002
Tensile Strength (Epoxies) ASTM D 638
Cure Shrinkage ASTM D 2566
Compressive Strength ASTM D 695
Hardness Shore D ASTM D 2240

Uncured @ 75°F (24°C)

Density	1.78 g/cm ³
Functional Cure	4-6 hrs.
Mix Ratio by Volume	7 Resin : 1 Hardener
Mix Ratio by Weight	13.3 : 1.0
Mixed Viscosity	25,000 CPs
Pot Life	15-20
Solids by Volume	100

Surface Preparation:

1. Thoroughly clean the surface with Devcon® Cleaner Blend 300 or any appropriate non residual solvent cleaner eg. Acetone, MEK to remove all oil, grease and dirt.
2. Grit blast surface area following at least ISO 8501 SA 2 ½ (Very Thorough Blast Cleaning) and or SSPC-SP 10 (Near White Metal). When grit blasting is not possible the surface may be prepared following SSPC-SP 3 until at least "Condition A" is achieved.
The required surface profile depth is 3-5 mils (75-125µm).

Note: For metals exposed to sea water or other salt solution, grit-blast and high-pressure-water-blast the area, then leave overnight to allow any salts in the metal to "sweat" to the surface. Repeat blasting to "sweat out" all soluble salts. The salt contamination level is recommended to not exceed 20mg/m² (2µg/cm²).

3. Clean surface again with Devcon® Cleaner Blend 300 or any appropriate non residual solvent cleaner eg. Acetone, MEK. To remove all traces of oil, grease, dust or other foreign substances from the substrate.

4. Repair surface as soon as possible to eliminate any changes or surface contaminants.

Application: It is recommended that Korrobond 65 ULTRA is brought to an optimum working temperature of circa 25°C/74 °F by placing it in a warm room 24 hours prior to use. At lower temperatures the material will be more viscous and hence difficult to pour and at temperatures above 30°C/86 °F the pot life of the product will be reduced. At temperatures below 5°C/41°F and above 40°C/104°F casting should not be carried out.
Prior to use the respective crusher manufacturer's instructions should be consulted.

Mixing:	Korrobond 65 ULTRA is supplied as two components, in the 10Kg/22Lb or 20Kg/44Lb. Kit, these are pre-weighed to remove any potential for issues regarding ratio. As such these kits should only be completely mixed and not be broken down. A suitable mixing device is required, e.g., a suitable drill with mixing paddle. Stir Part A until homogenous, shake well part B by hand, and then add the content of Part B to Part A and mix thoroughly for approximately 2-3 minutes, please be mindful to do not introduce air bubbles while mixing.																	
Clean Up:	Any tools used in the mixing and application of Korrobond 65 should be cleaned in methylated spirit, Acetone or Isopropanol immediately after use, as Korrobond 65 ULTRA is difficult to remove once cured. <u>DO NOT USE</u> Water for cleaning.																	
Storage & Shelf Life:	A shelf life of 24 months from date of manufacture can be expected for this product when stored at room temperature (~22°C/72°F) in their original containers.																	
Precautions:	FOR INDUSTRIAL USE ONLY: Please refer to the appropriate <u>Safety Data Sheet</u> prior to using this product. For complete safety and handling information, please refer to the appropriate Safety Data Sheets prior to using this product.																	
Compliances:	None																	
Order Information:	EMEA <table><tr><td><u>Item No.</u></td><td><u>Package Size</u></td></tr><tr><td>81065</td><td>10 Kg / 22 Lb</td></tr></table>		<u>Item No.</u>	<u>Package Size</u>	81065	10 Kg / 22 Lb	Americas <table><tr><td><u>Item No.</u></td><td><u>Package Size</u></td></tr><tr><td>81065R</td><td>9.3 Kg / 20.4 Lb</td></tr><tr><td>81065H</td><td>0.7 Kg / 1.5 Lb</td></tr><tr><td>81070R</td><td>18.4 Kg / 40.49 Lb</td></tr><tr><td>81070H</td><td>1.4 Kg / 3.0 Lb</td></tr></table>		<u>Item No.</u>	<u>Package Size</u>	81065R	9.3 Kg / 20.4 Lb	81065H	0.7 Kg / 1.5 Lb	81070R	18.4 Kg / 40.49 Lb	81070H	1.4 Kg / 3.0 Lb
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Warranty:	ITW Performance Polymers will replace any material found to be defective. Because the storage, handling and application of this material beyond our control, we can accept no liability for the results obtained.																	
Contacts:	<table><tr><td>www.itwpp.com ITW Performance Polymers (EMEA) Bay 150, Shannon Industrial Estate Shannon, County Clare, Ireland V14 DF82 TEL: +353 61 771 500 FAX: +353 61 471 285 Email: customerservice.shannon@itwpp.com</td><td>ITW Performance Polymers (US) 30 Endicott Street Danvers, MA 01923 USA TEL: 855 489 7262 FAX: 978 774 0516 Email: info@itwpp.com</td></tr></table>				www.itwpp.com ITW Performance Polymers (EMEA) Bay 150, Shannon Industrial Estate Shannon, County Clare, Ireland V14 DF82 TEL: +353 61 771 500 FAX: +353 61 471 285 Email: customerservice.shannon@itwpp.com	ITW Performance Polymers (US) 30 Endicott Street Danvers, MA 01923 USA TEL: 855 489 7262 FAX: 978 774 0516 Email: info@itwpp.com												
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