Technical Data Sheet
7/20/2022

Korrobond 65 Epoxy Crusher Backing Compound

Description: Korrobond 65 (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 strengthand resiliance

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	Standard Tests
Adhesive Lap Shear Strength	**> 354 Kg/m^2**	Adhesive Tensile Shear ASTM D 1002
Adhesive Tensile Strength	**>27 MPa / 4,000 psi**	Tensile Strength (Epoxies) ASTM D 638
Color	**Light Grey**	Cure Shrinkage ASTM D 2566
Compressive Strength	**135 +/-7 Mpa / 19,500 +/-1000 PSI**	Compressive Strength ASTM D 695
Cure Shrinkage	**0.01%**	
Density	**1.78 g.cm^3**	
Funtional Cure	**8-10 hr**	
Mix Ratio by Volume	**7 Resin ; 1 Hardener**	
Mix Ratio by Weight	**13.3 : 1.0**	
Mixed Viscosity	**> 20,000 CPs**	
Pot Life @ 75F	**15-20**	
Solids by Volume	**100**	

Application: It is recommended that Korrobond 65 is brought to an optimum working temperature of circa 25ºC/74 ºF 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 30ºC/86 ºF the pot life of the product will be reduced. At temperatures below 5ºC/41ºF and above 40ºC/104ºF casting should not be carried out.

Prior to use the respective crusher manufacturer's instructions should be consulted.

Mixing: Korrobond 65 is supplied as two components, in the 10Kg 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 then add Part B and continue mixing until to two components are homogenous.

Clean Up: Any tools used in the mixing and application of Korrobond 65 should be cleaned in methylated spirit immediately after use, as Korrobond 65 is difficult to remove once cured.

Storage & Shelf Life: A shelf life of 24 months from date of manufacture can be expected for this product when stored at room temperature (~22ºC/72ºF) in their original containers.

Precautions:

FOR INDUSTRIAL USE ONLY: Please refer to the appropriate **S**afety **D**ata **S**heet 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:

81065	Korrobond 65 10 kg / 22 lb Kit
81070	Korrobond 65 20 kg / 44 lb Kit
81065D	Korrobond 65 285 kg / 628 lb Drum Kit

Warranty:

ITW Performance Polymers will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

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Disclaimer:

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