KORROBOND 65 - EPOXY CRUSHER BACKING

PRODUCT INFORMATION

Stock No.	Package Size
81065P	10kg Kit
81065D	200l Crusher Backing
81065DH	20kg Hardener

Description

Korrobond 65 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.

Features

Very high compressive strength
100% Solids, minimal shrinkage

- Easy to mix and pour
- Long established OEM and after market proven
- product High impact strength and resilience

PRODUCT DATA

Typical Physical Properties

Colour	Grey
Density (g/cm^3)	1.5
Viscosity (cps)	16000
Pot life (minutes @	15 - 20
20^{o}C) Cure time (hours)	8 - 10
Mixing Ratio (by volume)	7 resin : 1 hardener
Curing shrinkage (%)	0.01
Compressive Strength (MPa) ISO 604	>117.2 (17,000psi)
Tensile Strength (MPa) ASTM 638	>27.6 (4,000psi)
Impact Strength (KJ/m^2) ISO 179	>6.5
Lap shear strength (kg)	>353.8kg

APPLICATION INFORMATION

Application	It is recommended that Korrobond 65 is brought to an optimum working temperature of circa 20º C 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 30º C the pot life of the product will be reduced. At temperatures below 5ºC and above 40ºC 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 mix thoroughly. Continue stirring until product is homogenous, typically 2-3 minutes. It is essential that the steps mentioned are followed correctly as off ratio product and poor mixing will affect the curing and ultimate physical properties of the material.
Cleaning of tools	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.
Shelf life & Storage	A shelf life of 18 months from date of manufacture can be expected for this product when stored at room temperature (~22ºC) in their original containers.
Precaution	For complete safety and handling information, please refer to the appropriate Material Safety Data Sheets prior to using this product.
Warranty	ITW Korroflex will replace any material found to be defective. As the storage, handling and application of this material is beyond our control we can accept no liability for the results obtained.
Disclaimer	All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Korroflex makes no representations or warranties of any kind concerning this data. For product information visit www.bigagroup.com / www.korroflex.com alternatively for technical assistance please call +385 52 880 882 or send an e-mail to biga@biga.hr.