Korroflex KB 65 - EPOXY Backing Compound

PRODUCT INFORMATION

Stock No.	Package Size
Korrobond 65 (81065P)	10kg Kit

Description

KB 65 is a two-component epoxy based backing compound and damping material for filling gaps in structural building and heavy machines. 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, no solvents, minimum shrinkage
- Easy to mix and pour - no skilled labour required
- Long established OEM and after market proven product
- High impact strength and resilience
- Ideal for extremely cold environments

PRODUCT DATA

Typical Physical Properties

Density	1500 kg/m^3
Compressive Strength	>117.2N/mm^2 (17,000psi) as per ISO 604
Tensile Strength	>27.6N/mm^2 (4,000psi) as per ASTM 638
Impact Strength	> 6.5 KJ/m^2 as per ISO 179
Lap Shear Strength	> 353.8kg (780lbs)
Shore D Hardness	> 80
Viscosity	16000 cps
Curing Shrinkage	0.01%
Pot Life	15 minutes (approx.)
Return to Service Time	8 - 10 hours
Mixing Ratio (by volume)	7 Resin : 1 Hardener

APPLICATION INFORMATION

Application

It is recommended that Korroflex KB 65 is brought to the most suitable working temperature of about 20º C by placing it in a warm room 24 hours prior to use. At lower temperatures the material will be more viscous and at temperatures above 30º C the pot life of the product will be reduced. At temperatures below 5º C and above 40º C casting should not be carried out. Prior to use the respective crusher manufacture's instructions should be consulted.

Unit 3 Shipton Way, Express Business Park, Northampton Road
Rushden, Northants, NN10 6GL

ITW Devcon Industrial Products GmbH, Liebigstraße 21, 24145 KIEL, Deutschland/Germany

Mixing	Korroflex KB 65 is delivered in two components that have a balanced ratio, which should not be altered. Using a suitable mixing tool (e.g. slow running drills with mixing paddle) stir Part A and mix it thoroughly with Part B – the curing agent. A uniform colour will be noticed when complete mixing is achieved. Failure to adhere to the correct mixing ratio or poor mixing will result in the compound failing to harden in several areas, thus causing the whole pour to be ruined.
Cleaning of tools	Tools used in contact with this product should be cleaned in methylated spirit immediately after use, as Korroflex KB 65 is difficult to remove once cured.
Shelf life & Storage	A shelf life of approximately 12 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.

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