



ITW Performance Polymers
Shannon Industrial Estate
Shannon
Co. Clare
Ireland
Tel: + 353 61471299
Fax: + 353 61471285
Issue 6.0 20.07.05

KORROBOND 65 Crusher Backing

TECHNICAL DATA SHEET

KORROBOND 65 is a two-component epoxy based backing compound and damping material for stone crushers. It serves as a backing and reinforcing layer between machine parts and as a damper when subjected to impact and shock loads.

KORROBOND 65 is used for filling cavities between upper part of crusher and outer jacket and between supporting cone and inner jacket in cone crushers. It is also used to fill between the upper part of stand and crusher jaws and supporting cone and inner jacket in gyratory crushers.

PRODUCT DATA (AT 20°C) (Typical Values)

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 mins (approx.)
Return to Service Time	8 - 10 Hrs
Mixing Ratio (by volume)	7 Resin : 1 Hardener

APPLICATION

It is recommended that KORROBOND 65 is brought to the most suitable working temperature of about 20° 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 30° C the pot life of the product will be reduced. At temperatures below 5° C and above 40° C casting should not be carried out.

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

Mixing:

KORROBOND 65 is delivered in two components that have a balanced ratio, which should not be altered. Using a suitable mixing tool (e.g. a slow running drill 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.



ITW Performance Polymers
Shannon Industrial Estate
Shannon
Co. Clare
Ireland
Tel: + 353 61471299
Fax: + 353 61471285
Issue 6.0 20.07.05

Cleaning of tools:

Tools used in contact with this product should be cleaned in methylated spirit immediately after use, as KORROBOND 65 is difficult to remove once cured.

SHELF LIFE

A shelf life of approximately 12 months from date of manufacture can be expected for this product when stored in dry cool conditions in original containers.

PRECAUTIONS

For complete safety and handling information, please refer to the appropriate Material Safety Data Sheets prior to using this product.

ORDERING INFORMATION

<u>Stock No</u>	<u>Unit size</u>	
81065	10 kg	KORROBOND 65 Epoxy Crusher Backing
81065D	285 kg	

Warranty: Korroflex will replace any material found to be defective. Because the storage, handling and application of this material are 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. Korroflex makes no representations or warranties of any kind concerning this data.

UK

Brunel Close
Park Farm
Wellingborough
Northants
NN8 6QX
Tel +44 (0) 1933 675299
Fax +44 (0) 1933 670800

Germany

Liebigstr 21
24145 Kiel
Germany
Tel +49 (0) 431718830
Fax +49 (0) 4317188325