

KORROBOND 90 - POLYURETHANE CRUSHER BACKING

PRODUCT INFORMATION

	<u>Stock No.</u> 91000	<u>Package Size</u> 10kg
Description	Korrobond 90 Crusher Backing has been specially formulated to produce a tough flexible backing of low viscosity to ensure free flow into the smallest cavities and contours of manganese steel.	
Features	<ul style="list-style-type: none"> • No pre-heating required, even in the coldest conditions • Easy to mix and pour compound • Minimal shrinkage • Gel time can vary from between 15 & 40 minutes (dependent on temperature) • Good compressive and flexural strength 	

PRODUCT DATA

Typical Physical Properties	<u>Mixed Product</u>	<u>'A' Component</u>	<u>'B' Component</u>
Colour	Grey/Brown	Grey/Brown	Brown
Specific Gravity	1.9	2.1	1.22
Viscosity (poise) (1)	90	700	2
Gel Time (minutes)			
@ 40°C	4		
@ 30°C	13		
@ 20°C	20		
@ 10°C	25		
@ 0°C	30		
Allow to Harden for:			
@ 40°C	approx. 3hrs		
@ 30°C	approx. 6hrs		
@ 20°C	approx. 8hrs		
@ 10°C	approx. 16hrs		
@ 0°C	approx. 24hrs		
Compressive Strength after 7 days (2)		11500psi	(79.2 N/mm ²)
Flexural Strength after 7 days (3)		7500 psi	(51.4 N/mm ²)
Tensile Strength after 7 days (4)		4000 psi	(26.5 N/mm ²)
(1)	Tested using a Brookfield RTV viscometer, spindle 4, speed 2.5rpm @25 C		
(2)	Tested to BS2782:Part 3: Method345A:1979 @25 C		
(3)	Tested to BS2782:Part 3: Method335A:1978 @25 C		
(4)	Tested to BS2782:Part 3: Method320D:1976 @25 C		

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APPLICATION INFORMATION

Application	<p>Korrobond 90 Crusher Backing is packed in two containers, 'A' and 'B' which together form a balanced unit. The large one contains the base material, the small one the solidifier.</p> <p>These containers when mixed together react chemically to form a solid backing.</p> <p>The base material is a dense mineral filled compound and to ease the mixing it usually helps to agitate this, before gradually adding the solidifier. Both these materials are of different colours and it is required that they are mixed together thoroughly until one colour is obtained. It is essential that all the solidifier from the small container should be added to all of the base material.</p> <p>As Korrobond 90 Crusher Backing is of low viscosity and very searching, all areas where seepage may occur, even machine joints, should be sealed off with foundry clay – unbaked brick etc.</p> <p>On certain makes of machines, the Concave Holding Lugs (hooks for U-Bolt springs) etc are below the level of the concave backing. These should be sealed off with a piece of wood or metal treated with Devcon Release Agent, sealed with foundry clay and wedged into position. Once the Crusher Backing has cured, these items are easily removed.</p>
Shelf life & Storage	<p>A shelf life of three years from date of manufacture can be expected for this product when stored at room temperature (22°C) in their original containers.</p>
Precaution	<p>For complete safety and handling information, please refer to the appropriate Material Safety Data Sheets prior to using this product.</p>
Warranty	<p>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.</p>
Disclaimer	<p>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.</p> <p>For product information visit www.Korroflex.com alternatively for technical assistance please call +44 (0) 870 458 7388 (UK) or +49 431 718830 (Germany).</p>