

TECHNICAL DATA SHEET FOR

FLOORSHIELD 822 EPOXY PUTTY

DESCRIPTION : Floorshield 822 Epoxy Putty is a two component epoxy putty premixed with selected graded fillers / epoxy resins and additives which when mixed, produces a high strength, impermeable and chemically resistant putty. The base / hardener are in different colours to provide visual confirmation of adequate and proper mixing on site.

TYPE : 2- components epoxy putty

USES :

- Bonding precast concrete
- Anchoring of bolts and dowel bars
- Sealing of cracks
- Repair of concrete
- Overhead repair
- Bonding of dissimilar materials

FEATURES :

- Adhere to damp surfaces
- Cures with undetectable shrinkage
- Speed of repair due to chemical reaction
- Impermeable to water, oil, petrol and chemical spillage
- Thixotropic paste
- Finished product is concrete grey in colour

APPLICATION DATA

SURFACE PREPARATION : As with all concrete repairs, it is essential to remove all grease, oil, dust and other loose materials. Concrete substrates must be adequately prepared either by use of a suitable mechanical method such as scabbling, grit blasting or needle gunning.

DIRECTION OF USE : **Mixing**
Mix materials in the ratio of 2:1 by weight until a homogenous grey is obtained.

FLOORSHIELD 822 EPOXY PUTTY

TECHNICAL DATA

Appearance	Part A (base) :White homogenous paste Part B (hardener) :Black homogenous paste																														
Density	Part A : 1.69 ± 0.06 Part B : 1.99 ± 0.06																														
Mixing Ratio (by wt)	Part A to Part B (2:1)																														
Chemical Resistance	Resist water, alkali and diluted mineral acids																														
Minimum Application Temperature	0°C																														
Compressive Strength (ASTM D695)	<table border="1"> <thead> <tr> <th>N/mm sq</th> <th>35°C</th> <th>30°C</th> <th>25°C</th> <th>0°C</th> </tr> </thead> <tbody> <tr> <td>2 hrs</td> <td>15</td> <td>10</td> <td>-</td> <td>-</td> </tr> <tr> <td>4 hrs</td> <td>25</td> <td>20</td> <td>10</td> <td>-</td> </tr> <tr> <td>8 hrs</td> <td>31</td> <td>30</td> <td>25</td> <td>8</td> </tr> <tr> <td>1 day</td> <td>56</td> <td>55</td> <td>50</td> <td>20</td> </tr> <tr> <td>Full Cure</td> <td>68</td> <td>65</td> <td>60</td> <td>40</td> </tr> </tbody> </table>	N/mm sq	35°C	30°C	25°C	0°C	2 hrs	15	10	-	-	4 hrs	25	20	10	-	8 hrs	31	30	25	8	1 day	56	55	50	20	Full Cure	68	65	60	40
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Flexural Strength (ASTM C580 – 2002)	> 8.0 MPa @ 25°C																														
Pot Life	40 mins at 25°C																														
Toxicity	Non-toxic on curing																														

GENERAL INFORMATION

PACKING : 2 kg set

SHELF LIFE : 12 months at 25°C when stored under shelter

STORAGE : Store materials away from sunlight or heat before using as heat will shorten port life of materials.

PRECAUTION : Contents are flammable and should be kept away from fire or naked flame. It should be handled with care and should not be allowed to remain in contact with the skin. In the event of contamination, the effected parts should be washed with water. If there is contact with the eye, flush with water and consult a physician. Wear gloves where necessary. When used in confined spaces, provide adequate ventilation. Equipment should be properly earthed.

The information given is intended to give a description of the product performance under specific test conditions. Nevertheless, we cannot assume any responsibility for the use of it since circumstances under which the products are applied in practice are subjected to many variations. We reserve the right to alter the given data without notice.

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