EPOXY ADHESIVE

Introduction
EPOXY ADHESIVE is an outstanding solvent free 2 part epoxy resin specifically formulated to provide Precast Concrete Manufacturers and the construction and maintenance industries with an extremely effective bonding/bedding/repair material easy to mix and apply.

Function
EPOXY ADHESIVE will provide an excellent bond between most building materials including PRECAST UNITS — STEEL— CONCRETE—SLIP BRICKS—CERAMIC TILES—GLASS—HARDBOARD/WOOD—ASBESTOS CEMENT—G.R.P.—G.R.C.—POLYSTYRENE—ALUMINIUM—GALVANISED METAL.

EPOXY ADHESIVE can also used for:
1. Bonding pre-cast concrete segments.
2. Grouting starter rods in horizontal plane.
3. Bonding external steel plate reinforcement to concrete.
4. Fixing loose tiles and slip bricks.
5. Sealing pipe entries.
7. Sealing gaps and cracks/bolt pockets
8. Repairing broken or cracked concrete, brickwork and worn steps.
9. Repairing metal guttering.
10. Bonding new concrete to old.
11. Fixing Cat Eyes and Road Reflectors/Markers.

Technical Data (Typical Values)

<table>
<thead>
<tr>
<th>Density 1.17 kg/litre</th>
<th>Strength Data</th>
<th>24 hrs</th>
<th>48 hrs</th>
<th>7 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive strength N/mm²</td>
<td>16.8</td>
<td>&gt;63</td>
<td>&gt;63</td>
<td></td>
</tr>
<tr>
<td>Tensile strength (A.S.T.M. C307) N/mm²</td>
<td>4.9</td>
<td>9.8</td>
<td>18.9</td>
<td></td>
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<tr>
<td>Flexural strength (A.S.T.M. C560) N/mm²</td>
<td>---</td>
<td>---</td>
<td>24.0</td>
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<tr>
<td>Shear strength (A.S.T.M. C580) N/mm²</td>
<td>---</td>
<td>---</td>
<td>50.0</td>
<td></td>
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<tr>
<td>Shear adhesion to steel N/mm²</td>
<td>---</td>
<td>---</td>
<td>6.5</td>
<td></td>
</tr>
</tbody>
</table>

Coverage/Usage rate:
Will depend on job in hand. Use as required. As a guide EPOXY ADHESIVE 4-5 m²/kg. SET NF 2kg/m² for 1 mm thick.

Colour Range:
Resin: Transparent Hardener: Tinted Red/Yellow (Coloured product can be made on request.)

Packaging:
EPOXY ADHESIVE is supplied in convenient sets as per your requirements. Each set consists of two separate containers marked Pack A and Pack B.

How to use:
PREPARATION OF SUBSTRATE:
Surfaces to be bonded must be clean, sound and free from dust, dirt, grease and oils etc. Steel plate must be grit blasted to remove oxides, scale, rust, etc. Galvanised metal surfaces should first be primed with a suitable Etch Primer. Apply the material without delay.

APPLICATION:
Equal weights of Pack A and B should be thoroughly mixed together until a uniform colour is obtained. Mechanical mixing is recommended for large quantities, preferably with an industrial hand drill and a paddle attachment driven at low R.P.M. EPOXY ADHESIVE is then ready to use. The two materials to be bonded must be held in place until initial cure has taken place. Ensure that cross contamination of the A and B packs does not occur via the tools used.

SET NF:
Where a non slump type of Epoxy Mortar is required, it is recommended to add fine silica/Quartz Aggregates to EPOXY ADHESIVE in ratio of EPOXY ADHESIVE 1 part to Aggregates 4 to 6 parts according to site requirements. SET NF grade can be formulated with the above method and is ideal for a variety of bedding, gap filling, repairing horizontal and vertical concrete surfaces and honey combed concrete structures.

POT LIFE AND CURE TIME:
Pot life is approximately 30 minutes at 25°C (200gm. mix.) Initial cure takes place between 1 to 4 hours depending on bulk. Full cure in 7 days.

CLEANING OF TOOLS:
Tools etc. should be cleaned immediately after use and before the ADHESIVE has set with CLEANING SOLVENT.

Health & Safety Precautions:
Contains liquid epoxy resin and a polylamine compound. Irritating to eyes, skin and respiratory system. Do not breathe fumes. Wear suitable gloves and eye/face protection. Wash hands thoroughly with soap and water after use. Harmful if taken internally.

Covering capacity figures given in this leaflet are approximate only. They are quoted solely for guidance and are therefore given entirely without responsibility, because conditions of surface and workmanship vary with each particular job.

RESIN

HARDENER

Manufactured in:
GERMANY

PACIFIC BUILDING SPECIALITY FZC
Ajman - United Arab Emirates.
E-mail: info@pacificbgroup.com
www.pacificbgroup.com