MasterTop® 2200

High strength epoxy repair filler for horizontal cracks and minor repairs in concrete substrates

**DESCRIPTION**

*MasterTop 2200* is an epoxy filler compound. It is a two component, fine aggregate filled, fast curing material, ideal for minor horizontal concrete repair applications.

*MasterTop 2200* is an easily workable filler compound that can be applied by either trowel, spatula or knife. It cures to give high mechanical properties typical of epoxy compounds. It is resistant to oils, greases, petroleum, salts, many acids and alkalis and most commonly met corrosive media. It does not shrink on curing, and is designed to be used when cured from below freezing point to 60°C. Its impact resistance, and mechanical strength is greater than that of concrete.

**TYPICAL APPLICATIONS**

For surface repairs of fine cracks and spalls to horizontal concrete floor deck substrates in car parks and other flooring applications.

- Repairing surface defects such as blowholes and pin holes in concrete floors
- Dowel bars anchoring

**ADVANTAGES**

- High strength
- Strong adhesion
- Impact resistant
- Chemical resistant
- Non shrink
- Epoxy based
- Trowels to a smooth finish
- Easy to use
- Supplied in pre-weighed units
- No bonding agent or primer required

**PACKAGING**

*MasterTop 2200* is available in 7.5 kg units.

**TYPICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Cement grey</td>
</tr>
<tr>
<td>Mixed density at 25°C</td>
<td>~1.7 g/cm³</td>
</tr>
<tr>
<td>Flashpoint</td>
<td>N/A</td>
</tr>
<tr>
<td>Compressive strength to ASTM C579 at 40°C</td>
<td>≥800 N/mm² at 7 days</td>
</tr>
<tr>
<td>Pull off bond strength ASTM D4541/BS 1881 Part 207</td>
<td>&gt;3 N/mm²</td>
</tr>
<tr>
<td>Pot life at 25°C</td>
<td>70 min</td>
</tr>
<tr>
<td>at 40°C</td>
<td>30-40 min</td>
</tr>
<tr>
<td>Tack free time at 25°C</td>
<td>7 h</td>
</tr>
<tr>
<td>at 40°C</td>
<td>2 h 15 min</td>
</tr>
<tr>
<td>Flexural strength ASTM C580</td>
<td>&gt;30 N/mm²</td>
</tr>
</tbody>
</table>

**APPLICATION GUIDELINES**

**MIXING**

The 7.5 kg pack has been designed to be readily mixed by trowel at the ratio of 2 parts base to 1-part hardener. Where more than one pack is to be mixed at a time, a slow speed mixing drill and sealant paddle is suitable. Mix until a smooth streak-free consistency is achieved.

Two-component epoxy-based paste filled with selected fine aggregate.

**PLACING / APPLICATION**

Knife or trowel *MasterTop 2200* to the required level using the minimum of solvent on the trowel to aid workability. The surface may be finished smooth by use of a paint brush dipped in a suitable thinner (Xylene / MEK / Acetone). Where a very deep recess is to be filled, it may be necessary to build up in layers. Repairs may be camouflaged if required by covering surface with cement powder before full cure is affected.
HEALTH AND SAFETY
As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. For further information refer to the material safety data sheet.

QUALITY AND CARE
All products originating from BASF’s Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.

* Properties listed are based on laboratory controlled tests.
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