**E • MIX EASI RENDER**

*Semi-coarse and water resistant sprayable premixed plaster for interior and exterior conditions*

1. **PRODUCT**

*E • MIX EASI RENDER* is a high quality water resistant sprayable cement-based plaster for application on brickwalls, blockwalls, panel walls and concrete surfaces. It can also be used for patching concrete.

*E • MIX EASI RENDER* is suitable for dry and wet interiors as well as exteriors and serves as render coat underneath *E • MIX TILE ADHESIVE & TILE GROUT* series for tile fixing. To receive paint, it is more appropriate to polish *E • MIX EASI RENDER* and then apply *E • MIX SKIM COAT* series for a better finishing surface. However, it should not be used on painted surfaces.

1.1 Uses

- Interior wall rendering
- Exterior wall rendering
- Panel wall rendering
- Small area ceiling rendering (with *E • MIX BOND COAT ADMIX*)

1.2 Features and Benefits

- Formulated to comply with European Nom, British Standard and Chinese Standard
- Single component: fixed mixing proportion, ensure the quality of work
- Specific design for spray plastering
- Shrinkage compensated: reduce the shrinkage cracks
- Suitable for tiling with receiving *E • MIX TILE ADHESIVE & TILE GROUT* series products
- After polishing, suitable for painting with receiving *E • MIX SKIM COAT* series products
- Compatible to cementitious waterproofing materials *E • MIX WP ELASTIC SLURRY*
2. TECHNICAL DATA

<table>
<thead>
<tr>
<th>Colour</th>
<th>Grey</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component</td>
<td>Portland cement, non-reactive aggregate, graded sand and other chemical additives</td>
</tr>
<tr>
<td>Max. aggregate size</td>
<td>2.0 mm</td>
</tr>
</tbody>
</table>
| Water demand    | For hand application: Approx. 16 – 18% or 6.4 – 7.2 L/40 kg bag  
|                 | For spray application: Approx. 17 – 19% or 6.8 – 7.6 L/40 kg bag |
| Density         | 1.6 kg/L (dry)  
|                 | 1.8 kg/L (wet) for 16% water demand |
| Pot life        | Approx. 1 hour                |
| Thickness       | 8 – 15 mm for 1 coat  
|                 | 15 – 25 mm for 2 coats  
|                 | 25 – 35 mm for 3 coats       |
| Coverage        | Approx. 1.55 kg/m²/mm         |
| Theoretical consumption | Approx. 15.5 kg/m² for thickness of 10 mm  
|                 | Approx. 2.5 m²/40 kg bag for thickness of 10 mm |

3. PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Adhesion to concrete (Saw cut method)</th>
<th>HKHA MTS (2002/2004) Spec. Part D, Cl. 2.1.15</th>
<th>0.7 N/mm²</th>
<th>0.4 N/mm² for after polishing E - MIX EASI RENDER surface</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesive strength (Core method)</td>
<td>BS EN 1015 – 12 : 1999</td>
<td>0.6 N/mm²</td>
<td></td>
</tr>
<tr>
<td>Compressive strength</td>
<td>BS EN 1015 – 11 : 1999</td>
<td>13.4 N/mm²</td>
<td></td>
</tr>
<tr>
<td>Flexural strength</td>
<td>BS EN 1015 – 11 : 1999</td>
<td>4.5 N/mm²</td>
<td></td>
</tr>
<tr>
<td>Chloride content</td>
<td>BS1881:Part 124: 1988</td>
<td>&lt; 0.01%</td>
<td></td>
</tr>
<tr>
<td>Shrinkage</td>
<td>Coutinho Ring, HKHA MTS (2002/2004) Spec. Part D, Cl. 2.1.6</td>
<td>Nil</td>
<td></td>
</tr>
</tbody>
</table>

Unless specified, all technical data are average values and refer to 28 days curing time.

3.1 Complied Standards

European Norm : BS EN 1015 – 10, 11, 12 : 1999
British Standard : BS 5262, BS 5492, BS 5385, BS 5838 : Part 2, BS 6319
4. **PROCEDURE**

4.1 **Substrate Preparations**

Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of *E・MIX EASI RENDER*.

Substrate is highly recommended to be moistened overnight and also at the time before the commencement of operation. No stagnant or frequent water flow on substrate is allowed immediately prior to plastering.

4.2 **Mixing and Installation**

Mix a bag of dry mix powder (40 kg) with appropriate amount of water (depending on the applying mode) by using an electric mixer for 3 – 7 min. For hand application, add approx. 6.4 – 7.2 L (16 – 18%) of water; for spray application, add approx. 6.8 – 7.6 L (17 – 19%) of water.

Apply the render by hand or spraying machine to required thickness in layer(s). For clean, smooth and flat concrete surfaces, *E・MIX EASI RENDER* in thin application can be applied directly on concrete surface without spatterdash. For thick application on concrete substrates, a coat of sound spatterdash shall be applied in order to provide good key for receiving *E・MIX EASI RENDER*.

*(Details of the procedure please refer to our Method Statement.)*

4.3 **Curing**

Natural air curing for *E・MIX EASI RENDER* is enough. Water mist is not required for interior application. However, water mist is requested under extremely hot or dry condition.

5. **STORAGE AND PACKING**

*E・MIX EASI RENDER* is delivered in 40 kg bag. Storage life is 12 months if the product is kept in a dry place.

6. **HEALTH AND SAFETY**

Recommend to wear NIOSH approved or equivalent particulate face mask when mixing the material.

Material contains cement, which may produce an allergic effect.

Keep out of reach of children.

Material may cause irritation to eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical assistance. After contact with skin, wash immediately with plenty of soap and water.

*Note: Because it is not possible to give specific instructions for various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only and we reserve the right to modify the information detailed in this Technical Data Sheet.*