Dry Putty 101

Cement based, high quality, polymer modified, one component, ready mixed putty for smoothing internal and external surfaces prior to painting and coating applications.

Description
Dry Putty 101 is cement based, high quality, ready mixed, polymer modified, one component putty in powder form. Dry Putty 101 requires the addition of water on site.

Dry Putty 101 is ideal for smoothing internal and external cement base plastered walls and ceilings and fair face concrete prior to painting and coating applications. Dry Putty 101 can also be used for patching of pre-cast concrete products. Dry Putty 101 has excellent adhesion and long term crack resistance even at extreme weather conditions.

Dry Putty 101 provides protective base for the interior and exterior paints and helps in reducing the frequency of repainting.

Dry Putty 101 is specially formulated to provide smooth, water resistance putty when applied manually by putty knife / spatula. Also, Dry Putty 101 can be applied by spraying machine to increase productivity. In this case Dry Putty 101 will give rough finish surface.

Composition
Dry Putty 101 is manufactured from carefully selected raw materials which include a blend of special high strength hydraulic binders, selected well graded micronized fillers and special additives to enhance workability, water retention, adhesion and smoothing characteristics.

Standards
Dry Putty 101 is formulated to comply with DIN 18550 standard.

Characteristics
- Easy to use and apply. Only requires the addition of water on site for ease of use.
- Raw materials are selected according to the highest quality control standards.
- Exact mixing ratios and homogeneity of the blend, due to factory fully computerized production process.
- Excellent mixing and workability characteristics.
- Excellent water retention characteristics helps minimizing pre-wetting and water curing.
- Compatible with most types of paints & coatings such as water based emulsion, oil enamel based, epoxy, polyurethane and cement based coatings.
- Water resistance. Prevents paints from flaking even if the walls are damp.
- Can be applied at thickness from 0.2 mm up to 4 mm per layer without cracks (maximum two coats per day).
- Excellent bonding characteristics to plastered substrates and fair face concrete.
- Breathable, allows the substrate to breath without de-lamination.
- Excellent resistance to extreme weather conditions and ambient temperatures variation from -20º C to +70ºC.
- More economic than acrylic base putties as there is no need of primer coat without de-lamination.

Technical Data

<table>
<thead>
<tr>
<th>Base</th>
<th>Portland cement, graded clean silica sand, and selected additives.</th>
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</thead>
<tbody>
<tr>
<td>Available Colors</td>
<td>Gray and White.</td>
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</table>

Dry Putty 101

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength</td>
<td>&gt;18 N/mm²</td>
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<tr>
<td>Flexural Strength</td>
<td>&gt;5 N/mm²</td>
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<tr>
<td>Bond Strength</td>
<td>&gt;0.55 N/mm²</td>
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<tr>
<td>Shrinkage (mm/m)</td>
<td>2.04 @ 28 days</td>
</tr>
<tr>
<td>Water Absorption, 24 H</td>
<td>0.5 ml (PML 518 Karsten tube water droplet test)</td>
</tr>
</tbody>
</table>

**Packaging**

Dry Putty 101 is available in 5, 11.5, and 30 Kg bags.

**Mix Proportions**

Approx. 2 ± 0.1 litres of water / 5 kg bags.
Approx. 4.5 ± 0.1 litres of water / 11.5 kg bags.
Approx. 12 ± 0.1 litres of water / 30 kg bags

**Coverage**

0.5 – 0.75 kg/m² (smooth finish with hand applications).
2 – 2.5 kg/m² (rough texture with spray application).
(Coverage rate may vary depending on surface condition).

**Surface Preparation**

Cement based walls and ceilings are the recommended substrates that can be smoothed with Dry Putty 101. Plastered substrates should be left to cure for at least 3 days prior to application of Dry Putty 101. All substrates should be in a good and strong condition and free from any loose particles, dust, oil, grease or curing agents. If the surface is dry and in hot weather, pre-wet prior to the application of Dry Putty 101 without leaving

**Application Precuders**

- Add the required quantity of fresh cool, clean water in one deep container. Then add the contents of the bag gradually while mixing till the mixture is uniform and free of lumps. For best results, use as little water as possible. Keep mixing for 3 – 5 minutes to ensure proper mixing and good dispersion of additives.
- Dry Putty 101 should be immediately applied on the prepared surface while the mortar is fresh and workable. In case of delay, do not add additional water. Remix till the mortar is workable again.
- Apply Dry Putty 101 to the prepared surface by conventional hand application technique using putty knife / spatula.
- Dry Putty 101 can also be applied using spraying machine followed by smoothing to desired surface texture. In this case the quantity of mixing water may be increased till flowable consistency will be achieved.
- Leave the first layer to dry for at least 2 hours prior to the application of the following layers. Pre-wet the first layer before applying the following layer.
- It is recommended to apply Dry Putty 101 at 2 layers minimum.
- Smooth the surface using sand paper till the desired finish is achieved.

**Storage**

Shelf life is 12 months from manufacturing date, in a dry, covered storage area.

**Health and Safety**

While using the product, gloves and goggles should be worn. Splashes to skin or eyes should be washed with clean water, in case of prolonged irritation, seek medical advice. For Further information, please refer to material safety data sheet.
Our recommendations are based on extensive research as well as practical experience. Results cannot be guaranteed where the actual application work is beyond our control. Customers must carry out their own investigations and test the suitability of our materials for their intended purposes. Kindly note that this data sheet supersedes any previous prints. For any additional information, please consult our technical marketing department.

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