PRODUCT DESCRIPTION

ACP 290 is a gypsum based plaster based on mineral binders & mineral light weight aggregates specially designed to provide high acoustic & thermal insulation properties.

PRODUCT BENEFITS

- Easy and fast application,
- Excellent strength
- Shrinkage Compensated
- Greater layer thickness
- High acoustic performance &Self Curing
- Noncombustible, Compatible with all building materials
- Low Thermal Conductivity & Fire resistance

PRODUCT USE

- Concrete & AAC & Concrete Block
- Sand or Cement Renders
- Wall & Ceilings

PRODUCT INFORMATION

APPLICABLE STANDARD

BSEN 13279-1/EN 998-1 P IV , ASTM C28,ASTM C 587

PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>Consistency</th>
<th>Granular Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Off white</td>
</tr>
<tr>
<td>Packaging</td>
<td>15 kg bags</td>
</tr>
<tr>
<td>Shelf Life / Storage</td>
<td>12 months from date of production if stored properly in undamaged and unopened, original sealed packaging, in dry conditions. Protect from direct sunlight.</td>
</tr>
</tbody>
</table>

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Contents</th>
<th>Gypsum, Lime, Limestone Sand Selected (0.1 - 3 mm), Perlite, Additives, Performance Retarder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>0.65 KG / L</td>
</tr>
<tr>
<td>Layer Thickness</td>
<td>10-40 mm</td>
</tr>
<tr>
<td>Mix Ratio</td>
<td>0.32 Ltrs/kg</td>
</tr>
<tr>
<td>Pot Life</td>
<td>1 hr.</td>
</tr>
</tbody>
</table>

FINAL PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Compressive Strength</th>
<th>&gt; 1.0 N/mm2 @ 28 Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural Strength</td>
<td>2.0 N/mm2 @ 28 Days</td>
</tr>
<tr>
<td>Bonding Substrate</td>
<td>0.4 N/mm2 @ 28 Days</td>
</tr>
<tr>
<td>Thermal Conductivity</td>
<td>0.18 W / m* K</td>
</tr>
<tr>
<td>Sound Absorption at 10 mm</td>
<td>0.50 @ 4 kv Frequency</td>
</tr>
</tbody>
</table>

Notes: all the typical data under laboratories condition, on site condition may vary depend on the condition.
APPLICATION
INFORMATION

PREPARATIONS

Substrate:
The new concrete should be cured for at least 28 days prior to the application of ACP 290. If there are any holes or cracks on the surface, patch them up and allow sufficient drying time.
-Cover windows and door frames with Polythene sheets prior to the application of ACP 290.
-All substrates must be clean, dry and free of contaminants that may affect bonding.
-All adjacent areas that are not to be affected should be covered.
-All the Smooth concrete Surfaces must be apply Rush coat (RCS 801/RCN 800) before plastering.

Temperature:
Ideal application temp between 10°c-35°c, if more than 35°c use cool water to avoid earlier shrinkage cracks.

MIXING

-Mix VENOPLAST SPP with clean water in a clean vessel using a hand mixer tool for 2 minutes to achieve consistency.
-For a 15 KG, we recommend the addition of approximately 8-10 LT of water for achieving a sprayable consistency. After water is added, the gypsum powder should be added. The mixture should then be stirred regularly, in order to prevent sedimentation of the aggregates.
-Do not try to remix the product after losing its workability by adding more water.

APPLYING

-ACP 290 can be applied in a single coat up to thicknesses of 10 mm and 40 mm.
-Apply on dried out concrete after 28 days of installation.
-When applying to fair-faced concrete, Contact Primers or Beton Contacts (BC 810) should be used first.
-ACP 290 should be applied 12 hours after applying Contact Primer and 24 hours after applying Beton Contact.
-Apply plaster in horizontal layers and avoid the formation of any air pockets.
-If a second coat is required, then apply the second coat while the first coat is still moist. This will also increase the thickness of layer.

FINISHING

- After the surface begins to set, it should be treated with a sponge board using very light water spray. It should then be smoothened using a steel trowel.
- In order to ensure better adhesion, it is vital that paint or other types of finishing/cover are applied early.
- If tiles are to be applied, avoid steel floating and keep the surface rough to allow better adhesive grip.
- Any kind of water based finishing system can be applied to a fully cured plaster.
- Clean tools with water directly after use.

CONSUMPTION

Approx. 85 m2/ton @ 25 mm

CURING

It's not require curing.

INSTALLATION DETAILS

SAFETY INFORMATION

Plaster Contains alkali, contact with skin or eyes should be avoided, for further instruction please see our Materials safety Data sheets.
LEGAL NOTICE

All instruction and data of this technical data sheets are general information only and are based on our experience and performed tests. Under all circumstances there have to be implemented the relevant standard and general knowledge of construction /engineering. In case of specific question or requirements please contact our Technical Services /Sales Team. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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