

SPRAY PLASTER

Spray Plaster is a polymer modified ready to use plaster which designed to provide smooth finish on internal (Plastering) & external (Rendering) surface with stronger bond to substrate. Spray Plaster gives strong adhesion on wall/ceiling with excellent water resistant, crack free workability's that will protect wall. Its special formulation enables spray application through machine giving a significantly lower application cost. It provides a smooth, inert, high-quality surface to ceilings, internal, external walls, and a durable base for application. It speeds up construction, saves time, zero wastage and requires less labour.

PRODUCT DESCRIPTION

PRODUCT: Spray Plaster is a cement based special plaster used for coating the materials on concrete surfaces and increases the strength of the surface. It can be applied at minimum 10-12 mm layer.

| | |
|-------------|--|
| COMPOSITION | Grey cement, graded sand, selected fillers, polymers |
| COLOUR | Grey powder |
| TESTS | Tested according to IS-4031, EN-1015, & Internal test methods |
| FEATURES | <ul style="list-style-type: none">• Reduce rebounding loss• Cracks free wall• Providing high compressive strength• Smooth Plastering• Higher durable plaster• Excellent Coverage• It has high adhesion strength. |
| USES | <ul style="list-style-type: none">• Pre-mixed material, only water to be added• Faster application• Used for interior as well as exterior wall surface• It provides saving on time and workmanship.• Easy to apply and give shape.• Negligible on-site wastage and mixing time• Cost-Effective |

TECHNICAL ANALYSIS (CONFORMS TO IS-4031, EN-1015, & INTERNAL TEST METHOD)

| PARAMETERS | SPECIFICATIONS |
|--------------|------------------|
| CONSISTENCY | 15 – 25 % |
| POT LIFE | > 60 minutes |
| SETTING TIME | 30 – 600 minutes |
| DENSITY | 1.8 to 2.1 g/ml |

MECHANICAL PROPERTIES

| PULL-OFF STRENGTH | |
|---|---|
| DRY ADHESION | > 0.30 MPa |
| COMPRESSION & FLEXURAL STRENGTH (AFTER 28 DAYS) | |
| COMPRESSIVE STRENGTH | CS IV-- >6 MPa |
| FLEXURAL STRENGTH | > 1.5 MPa |
| WATER PROPERTIES | |
| WATER ABSORPTION (AFTER 28 DAYS) | ≤ max 0.20 kg/Meter ² Min ^{0.5} |
| WATER RETENTIVITY | > 95 % |

GUIDANCE FOR USE

| | |
|-----------------------|--|
| SUBSTRATE | <ul style="list-style-type: none"> • Bricks wall Surface • Concrete Surface • Stone wall • ACC Block/ Concrete Block surface |
| SUBSTRATE PREPARATION | <ul style="list-style-type: none"> • Clean loose particles, dirt, grease, and traces of foreign materials from the surface, if necessary, by using wire brush/sandpaper or by chipping. • For loose plaster areas or wall which are not even, then remove the defective material. The surface should be properly clean. • The substrate should damp and excess water to be swept off. |

MIXING

- Approx.150-250 ml of clean water is required for 1 Kg of Spray Plaster sample.
- Mixing is done automatically in the machine.
- Tools and water used in mixing must be clean.
- Contamination from previous mixes can shorten the setting time and in turn reduce the strength of the plaster when set. Hence, clean the machine well, first remove previous all material, and clean the hose pipe, roto stator and mixing hopper.
- Water to plaster ratio should be maintained to have good cohesive workable mix. The water plaster ratio in Spray Plastering application remains fixed hence there is very little chance of error once the machine is set.

APPLICATION

- The dry and absorptive surfaces should be wetted before the application.
- It can be applied directly to brick, ACC, concrete surface walls.
- It can be applied with appropriate plastering machines. The material applied with the plastering machine should be sprayed on the surface evenly. The surface should be levelled out with float.
- Spread a mixture evenly to the required thickness & finish using straight edge.
- Apply aluminium level patty from bottom to top direction followed by left to right and right to left direction to level the plaster.
- Plain plaster wall ready for next application
- Curing can be started after 24-hour, it is recommended 2-3 times a day for 7 days.

COVERAGE

Spray Plaster's approx. coverage per 40 Kg bag is mentioned below:

| Substrate | Thickness | Coverage |
|---------------------|-----------|-----------------|
| Light weight blocks | 10-12 mm | 17 – 18 Sq. ft. |
| Light weight blocks | 18 mm | 11 Sq. ft. |
| Brick Wall | 10-12 mm | 14 – 15 Sq. ft. |
| Brick Wall | 25 mm | 7 – 7.5 Sq. ft. |
| RCC Surface | 10 mm | 20 – 22 Sq. ft. |

- Plaster more than 10-12 mm thickness must be applying in 2 coats.
- Coverage depends on quality and nature of substrates.

USAGE
PRECAUTIONS

- Do not add more water than recommended.
- The maximum thickness for the 1st coat should not exceed 10-12 mm.
- Spray Plaster contains non-toxic material but still, it is important to wear a safety kit when mixing and handling.

PACK SIZE

- 40 Kg

SHELF LIFE

- 6 Months

STORAGE INSTRUCTIONS

- Store in cool, dry, and well-ventilated place away from heat source or direct sunlight.
- Keep away from water and damp area.
- Avoid using partially used material; open bags with partially used material should be kept in a bag with its mouth tied tightly with string to prevent lump formation.
- As temperature, humidity, water addition and other parameters vary from site to site; the above information should be treated as general guidelines.

HEALTH & SAFETY INFORMATION

- It contains only eco-friendly fillers and additives. However, being cement based, it is alkaline and hence it is advisable to avoid direct eye and skin contact with this. In case of eye contact, kindly wash with clean water at least for 15 minutes and seek medical help and keep it out of children reach.

Disclaimer: Technical information is based on knowledge and experience of accurate results. These results refer to the long-term application of the product in practice. Recommendations and suggestions are listed for guidance only. Since site conditions during the applications are beyond the manufacturer's control, hence it is also the responsibility of the end-user to ensure that the content in their possession is the latest case.