

## GYPSUM MACHINE SPRAY PLASTER

Gypsum machine spray plaster is a polymer modified ready to use plaster which designed to provide smooth finish on almost all backgrounds, e.g., brick wall, ACC block or concrete surface. Gypsum machine spray plaster gives strong adhesion on wall, crack free workability's that will protect wall. Its special formulation enables spray application through machine giving a significantly lower application cost. It speeds up construction, saves time, zero wastage and requires less labour.

### PRODUCT DESCRIPTION

**PRODUCT:** Gypsum machine spray plaster provides a smooth, inert, high-quality surface to internal walls and ceilings and a durable base for application of decorative finishes.

COMPOSITION	Gypsum, light weight aggregates, selected minerals, polymers
COLOUR	White powder
TESTS	Tested according to IS 2547 (Part I)-1976 for chemical Characteristics, IS 2547 (Part II)-1976 for physical characteristics
FEATURES	<ul style="list-style-type: none"> <li>• Reduce rebounding loss</li> <li>• Cracks free wall</li> <li>• Providing high compressive strength</li> <li>• Smooth Plastering</li> <li>• Higher durable plaster</li> <li>• Excellent Coverage</li> <li>• Doesn't required water curing</li> </ul>
USES	<ul style="list-style-type: none"> <li>• Pre-mixed material, only water to be added</li> <li>• Faster application</li> <li>• Used for interior&amp; decorative wall surface</li> <li>• It provides saving on time and workmanship.</li> <li>• Easy to apply and give shape.</li> <li>• Negligible on-site wastage and mixing time</li> <li>• Cost-Effective</li> </ul>

## TECHNICAL ANALYSIS (CONFORMS TO IS-2547 (Part I & II): 1976)

### TECHNICAL DATA

PARAMETERS	SPECIFICATIONS
CONSISTENCY	50 - 60 %
SETTING TIME	90 - 120 minutes
DENSITY	0.9 - 1.20 g/ml

### MECHANICAL PROPERTIES

#### PULL-OFF STRENGTH (AFTER 14 DAYS)

DRY ADHESION	> 0.30 MPa
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#### COMPRESSION & TRANSVERS STRENGTH (AFTER 7 DAYS)

COMPRESSIVE STRENGTH	>1.0 MPa
TRANSVERS STRENGTH	> 5.0 MPa

## GUIDANCE FOR USE

SUBSTRATE	<ul style="list-style-type: none"><li>• Bricks wall Surface</li><li>• Concrete Surface</li><li>• Stone wall</li><li>• ACC Block/ Concrete Block surface</li></ul>
SUBSTRATE PREPARATION	<ul style="list-style-type: none"><li>• Clean loose particles, dirt, grease, and traces of foreign materials from the surface, if necessary, by using wire brush/sandpaper or by chipping.</li><li>• For loose plaster areas or wall which are not even, then remove the defective material. The surface should be properly clean.</li><li>• The substrate should damp and excess water to be swept off.</li></ul>
MIXING	<ul style="list-style-type: none"><li>• Approx. 500-600 ml of clean water is required for 1 Kg of Gypsum machine spray plaster sample.</li><li>• Mixing is done automatically in the machine.</li><li>• Tools and water used in mixing must be clean.</li><li>• 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.</li><li>• Water to plaster ratio should be maintained to have good cohesive workable mix. The water plaster ratio in Gypsum machine spray plastering application remain fixed hence there is very little chance of error once the machine is set.</li></ul>
APPLICATION	<ul style="list-style-type: none"><li>• The dry and absorptive surfaces should be wetted before the application.</li><li>• It can be applied directly to brick, ACC, concrete surface walls.</li><li>• 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.</li><li>• Spread a mixture evenly to the required thickness &amp; finish using straight edge.</li><li>• Apply aluminium ruler from bottom to top direction followed by left to right and right to left direction to level the plaster.</li><li>• Plain plaster wall ready for next application</li></ul>
COVERAGE	<ul style="list-style-type: none"><li>• 25-27 Sq. Ft./ 25 kg bag at 13 mm thickness on plain surface (Or depending on substrate conditions)</li></ul>
USAGE PRECAUTIONS	<ul style="list-style-type: none"><li>• Do not add more water than recommended.</li><li>• Gypsum machine spray plaster contains non-toxic material but still, it is important to wear a safety kit when mixing and handling.</li></ul>

## STORAGE INSTRUCTION

- 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 & SAFTY INFORMATION

- It contains only eco-friendly fillers and additives. 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

**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.