

# TECHNICAL DATA SHEET

## ABS M110

### Fire-Resistant Gypsum Spray Plaster



#### DEFINITION

M110 Gypsum Spray Plaster is a ready-mixed, gypsum- based plaster designed for application by spraying machines. It provides a smooth, high-quality finish suitable for interior surfaces.

#### APPLICATION AREAS

Suitable for use on interior substrates such as;

- Concrete
- Rough concrete
- Brick
- Pumice block (brick)
- Aerated concrete (gas concrete)
- Similar mineral-based wall surfaces

#### PRODUCT FEATURES

- Breathable structure balances the moisture level in the environment
- Extended working time and lightness allow easy and waste-free application
- Compatible with metal mesh reinforcement for door and window jambs
- Forms a smooth, paint-ready finish; no additional polishing is required
- Classified as A1 non-combustible building material

#### SURFACE PREPARATION AND APPLICATION

- The surface must be free from dust, oil, loose particles and any materials that may reduce adhesion.
- Highly absorbent substrates should be pre-moistened.
- Rough concrete surfaces must be mechanically roughened or primed with ABS Rough Concrete Primer at least 24 hours prior to application.
- Water guiding strips (beacons) should be placed approximately every 150-200cm, aligned vertically and corner profiles should be installed on edges.
- Spray ABS M110 onto the areas between the beacons
- Level the surface with a straightedge immediately after spraying
- Perform a second leveling pass approximately 15-20 minutes after the first
- 50-70 minutes after application begins, lightly mist the surface with water and smooth with a rubber trowel
- After an additional 10 minutes, finish the surface with a steel trowel to achieve final smoothness.

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### WARNINGS AND RECOMMENDATIONS

- Do not mix ABS M110 with any other product or material
- The application thickness should be 8-30mm on walls and 8-15 mm on ceilings in a single coat
- The ambient temperature during application must be at least +5 °C, must not exceed +35 °C
- The plaster machine and all tools must be clean
- Reinforcement mesh should be used at the junctions of different types of building materials

### STORAGE CONDITIONS

ABS M95 should be stacked up maximum 20 bags.

Shelf life is 6 months from the production date if closed bags are stored in dry, moisture free interiors on the floor / on pallet.

### TECHNICAL DATA

Water / Gypsum Ratio	6,5-7,5 lt water for 10 kg M110
Initial Set	>50 minutes (Complies with TS EN 13279)
Final Set	220-250 minutes
Consumption Amount	7-7,8 kg/m <sup>2</sup> per 1 cm of thickness
Pressure Strength	≥20 kgf/cm <sup>2</sup> (4x4 block)
Flexural Rapture Resistance	≥10 kgf/cm <sup>2</sup> (4x4x16 block)
Strained through	1500 micron sieve %100
Strained through	250 micron sieve (min) %77
Loose Unit Volume Weight (powder)	650-700 kg/m <sup>3</sup>
Dry Unit Volume Weight	800-850 kg/m <sup>3</sup>
Thermal Conductvity Value	0,43 W/mK
Class of Reaction to Fire	A1
Standard	TS EN 13279-1 / TS EN 13279-1
Type	B4/50/2 Lightweight Gypsum Plaster (Applied with Machine)
Packaging Type	Polypropylene Bag
Net Weight	20 kg ± %2

### SAFETY INFORMATION

Read the directions before usage.

Use glove, eye and face protection.

In case of skin contact, wash thoroughly with water.

In case of eye contact rinse cautiously with water for several minutes.

Get medical attention in case of irritation or rashness in skin.