



Acoustic Plaster

High quality lightweight premixed acoustic plaster

Uses

- Theaters and auditoriums.
- Media and recording studios.
- Boiler, chiller, and machine rooms.
- Where sound dampening is required.

Product Description

Acoustic Plaster is composed of a retarded gypsum, perlite & selected aggregates, and special additives. It is supplied as a dry powder in pre-weighed bags ready to use on-site, which requires only the addition of clean water to produce a cohesive mix. Acoustic Plaster is a high-quality product and provides sound and thermal insulation properties.

Advantages

- Factory controlled pre-blend ensures consistently high quality.
- Requires only the addition of water on-site at the time of usage.
- A plastering machine can apply it with a suitable Rubber pump.
- Single coat application with improved workability.
- Easy application with uniform workflow enables high productivity & superior finishing.
- Strong adhesion on a variety of substrates.
- Acoustical properties.
- Lightweight plaster (half the normal sand/ cement plaster).
- Significantly more resistant to heat transmission than normal sand/cement plaster.

Standards Compliance

- ASTM C28 , ASTM C842
- BS EN 13279

Technical Data

Acoustic Plaster	Typical Values @ 25°C
Appearance	White Powder
Maximum Aggregate Size (mm)	Up to 3.5
Wet Density (Kg/Liter)	1.1 Approx.
Application Thickness (mm)	6 to 20
Pot Life (Minutes)	60
Sound absorption at 10 mm thickness at 4 KHz frequency	0.50
Average Thermal Conductivity	0.35
Compressive Strength ASTM C472 @ 28 Days (N/mm ²)	> 2.5
Bond Strength EN 1015 - 12 @ 28 Days (N/mm ²)	> 0.4

Usage Instructions

Surface Preparation

The surface should be sound, clean, free from loose material, grease, laitance, dirt curing compound, etc. Before Acoustic Plaster application, wet the entire surfaces with clean potable water and dry before Acoustic Plaster application.

Usage Instructions

Mixing

For manual mixing, add to the mixing container 9-10.5 liters of water for each 20kg bag of Acoustic Plaster, or 9-11.5 liters/20kg bag for hopper gun machine application. Add the powder to the water and mix with a mechanical plaster mixer or low-speed electric drill fitted with a suitable paddle for 3-4 minutes until achieving a uniform, lump-free consistency.

Leave the mixed material to stand for 5 min, and briefly remix without adding water.

Blend Acoustic Plaster manually for small quantities and maintain the correct amount of powder to water. Mix for approximately 1-2 minutes until achieving a homogeneous mix.

When required, add 1.0 liters of Vetonit Bond 2 to the mixing water and adjust the water requirement accordingly for each 25kg bag. Follow the same mixing procedure as above. Use the mixed material within 30 minutes. Do not add water once the mixed plaster mortar starts to stiffen or harden.

Smooth Concrete Surfaces

Add 0.5 liters of Vetonit Bond 2 to the mixing water and adjust the water requirement accordingly for each 25kg bag. Follow the same mixing procedure as above.

Use the mixed material within 30 minutes. Do not add water once the mixed plaster mortar starts to stiffen or hardened.

Application

Acoustic Plaster is generally applied in a single coat method. Use directly on block walls & rough surfaces. On smooth surfaces, apply the first coat of Vetonit Spatter Dash SB.

Apply the mixed material using a spray machine or trowel technique to cover the area to the desired thickness. Lightweight leveling tools are required in conjunction with a trowel to fill in holes.

When the plaster stiffens lightly, treat the surface to a smooth level to eliminate all traces of protrusions and undulations. Let the plaster set for about 30 min. Using a wet sponge, wipe the surface to a creamy smooth finish. For colors other than white, spray Vetonit Finish WR's desired color at 2mm thick after Vetonit Acoustic Plaster cures for 7-days.

For maximum sound insulation results, leave the finishing pattern of Acoustic Plaster very rough.

Curing

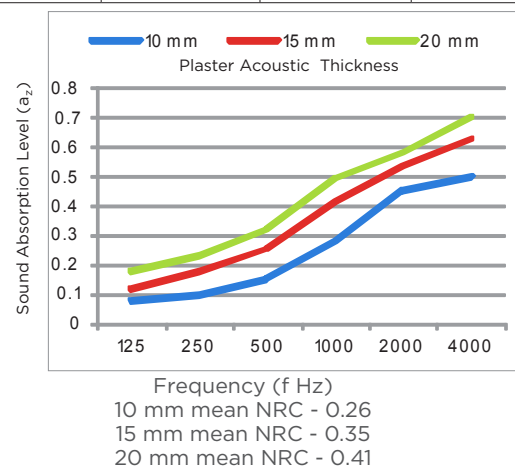
Let the Acoustic Plaster fully dry by itself. Do not use water curing.

Legal Disclaimer

Saveto endeavors to ensure that any advice, recommendations, information it may give is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products because it has no direct or continuous control over where or how its products are applied, whether or not following any advice, specification, recommendation, or information given by us. Saveto has the right to change any of the technical datasheets specifications upon its discretion without prior notification.

Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Frequency (f Hz)	Absorption Level (az) at Acoustic Plaster Thickness		
	10 mm	15 mm	20 mm
125	0.08	0.12	0.18
250	0.10	0.18	0.23
500	0.15	0.25	0.32
1000	0.28	0.41	0.49
2000	0.45	0.53	0.58
4000	0.50	0.63	0.70



Packaging & Coverage

Product	Pack Size	Yeild
Acoustic Plaster	20 kg Bag or Bulk	≈ 28 Lit/ 20 kg bag

Stated consumption data are for general guidance. Actual consumption depends on the nature of the substrate, method of application, and wastage.

Shelf Life & Storage

The original sealed bag of Acoustic Plaster has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place, at temperatures between 5°C - 35°C.

Health & Safety

Acoustic Plaster is alkaline; avoid direct contact with eyes or skin. It is recommended to use protective gloves and goggles during application. Any skin contact should be wash with soap & water. In case of eye irritation, immediately wash with a copious amount of clean cold water. Seek medical advice. Acoustic Plaster is non-flammable.