



MEDIUM

hitekTM Medium is the smoother and finer application to level the surface. **hitek**TM Medium is a water-based ready mixed plaster for use as a quality standard for surface coatings. It is composed of finely graded sand, marble dust, preservatives, binders and other additives to make the material easy to apply and extremely durable after installation. As manufacturers of the **hitek**TM brand, our **hitek**TM Spray Plaster Systems lineup is guaranteed in quality as its field properties make it an efficient product for application. **hitek**TM Medium is created using a perfect blend of high-quality raw materials creating an optimal bonding environment with any building surface and can be applied either manually or mechanically depending on site conditions.

Advantages of using **hitek**TM Spray Plaster Systems include: (a) that it is supplied and guaranteed directly by the manufacturer; (b) that the weight of the plaster is approximately 50% less than traditional cement installations; (c) that it is easy to apply, is fast compacting and fast drying; (d) that it has excellent workability onsite.

'MEDIUM' Technical Data

Specific Gravity	1.75 Kg/Litre [Approx.]
Particle Size	0.50 mm - 0.80 mm [Max.]
Area Coverage	4-8 Kg/m ² [Ceiling Approximation – Surface Dependant] 10-15 Kg/m ² [Wall Approximation-Surface Dependant]
P.H.: Level	12 [Approx.]
Binders Used	Synthetic co-polymer emulsion and cellulose derivative
Toxicity	Zero
Storage/Shelf Life	4 months [Away from direct sunlight]
Finishing Colour	Grey
Packing	Self-Sealing 25 Kg bags
Dilution	Water – if required

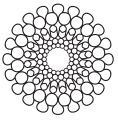
Application Recommendations

hitekTM Medium can be applied on any building's surfaces such as fare-faced concrete, pre-cast, dry lining and blends well with **hitek**TM Coarse.

Due to its excellent filling properties the product can be applied in areas where gaps and differences between concrete shuttering are too deep for conventional fillers. By adding approximately 15% - 20% of Ordinary Portland Cement slurry (approx. 5 litres water by weight), a final applied product thickness of approximately 5mm can be achieved in one application.

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hitekTM Spray Plaster Systems is manufactured to create an optimal surface coating in order to cause the least burden to the overall building structure.

System of Application

Preparation: Areas for plaster application to be provided with the required clearance from M.E.P & other related main contract / subcontract works. All surfaces should be free from nails, oil and grease. Surface should be clean and dry. Ceiling and Wall Systems of Application can be provided directly from the manufacturer and/or internal applications division on request on assessment of site conditions. Please contact us for more information.

Mixing: Mix one bag of **hitek**TM Medium with 15%-20% OP Cement slurry (approx. 5 litres water by weight) onsite. **hitek**TM Medium is also used to level ceilings after **hitek**TM Coarse has filled the joints. Please contact the manufacturer for specific Systems of Application documents for Walls and/or Ceilings depending on site conditions.

Application: **hitek**TM Medium can be applied either manually or mechanically on the desired building surface. **hitek**TM Medium is specifically designed for rapid and effective spray-machine applications although the material can also be installed manually as well on both wall and ceiling surfaces. A team of five men can spray and level an area of approximately 250m² a day with one set of equipment. This estimation averages base coat and finishing coat productivity data for walls and ceilings. Please consult the manufacturer on the specific system(s) of application.

SOA Precautions: Hot or warm material will set too rapidly. Use cool water during warm weather. The application performance of **hitek**TM Spray Plaster Systems may be affected by harsh weather conditions such as strong winds, hot weather and sever rains. All possible protective measures must be taken to protect the execution of works. The manufacturer will not be held responsible for any claims arising out of non-performance of the product due to incorrect application procedures or usage of product for non-recommended purposes.

Health & Safety: **hitek**TM Spray Plaster Systems has no specific health hazards. It is non-toxic but contains Portland cement after mixing with cement slurry thereby making it a strong alkaline which after prolonged exposure may cause skin irritation. Avoid inhalation of dust and in case of contact with eyes and skin, wash with plenty of clean water and seek medical help if required. Use protective kits such as masks, gloves and spectacles as an additional precaution.

Notes: The yield and coverage of the product given in the TDS is an approximate figure. The actual coverage depends on various factors such as thickness of the product when practically applied onsite, wastage, imperfections of the surface and the skill of the applicator. It is the responsibility of the users to check the coverage of the mortar according to their site condition.

