



البرج العالي لصناعة (ش.ذ.م.م.)
HIGH TOWER INDUSTRIES L.L.C.

HIGH TOWER INDUSTRIES
hitekTM
SPRAY PLASTER SYSTEMS

COARSE

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hitekTM Coarse is the foundation material of **hitek**TM Spray Plaster Systems. **hitek**TM Coarse 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 Coarse 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.

'COARSE' Technical Data

Specific Gravity	1.65 Kg/Litre [Approx.]
Particle Size	1.50mm - 2mm [Max.]
Area Coverage	4-8 Kg/m ² [Ceiling Approximation – Surface Dependant] 18-25 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 Coarse can be applied on any building's surfaces such as fare-faced concrete, block walls, hourly ceilings, polystyrene ceilings and so forth.

Due to its excellent filling properties the product can be used as a base filler to level variations in excess of 5mm. By adding approximately 15% - 20% of Ordinary Portland Cement slurry

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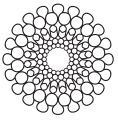
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(approx. 5 litres water by weight), a final applied product thickness of approximately 10 mm can be achieved in two applications. **hitek**TM Spray Plaster Systems is manufactured to create an optimal surface coating in order to cause the least burden to the overall building structure by weight.

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 Coarse with 15%-20% OP Cement slurry (approx. 5 litres water by weight) onsite. **hitek**TM Coarse is also used as a joint filler for ceilings. Please contact the manufacturer for specific Systems of Application documents for Walls and/or Ceilings.

Application: **hitek**TM Coarse can be applied either manually or mechanically on the desired building surface. **hitek**TM Coarse 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 200m² 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 claim 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.

