

CATEGORY

BUILDING MATERIALS/COMPONENTS



PRODUCT / TECHNOLOGY



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Technology Detail

ECO-FRIENDLY CONSTRUCTION RELATED PRODUCTS- CEMENT BASED PLASTER MORTAR

Alternate to conventional plaster/mortar



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CONTACT DETAILS

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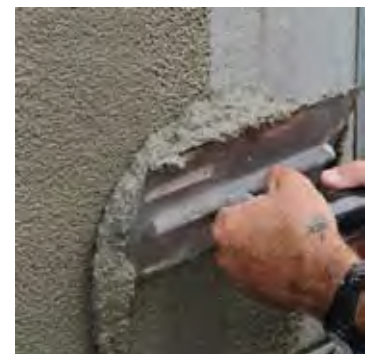
BRIEF

Organo Technologies Pvt. Ltd. is a MSME startup organisation responsible for manufacturing & promotion of new generation eco-friendly, economical and higher durability construction related products. It has developed ready to use cement-based plaster-mortar with premixed graded sand and high quality polymer modifications, which can be used for plastering applications. This is a patented product with a brand name Organo Ready to Use Plaster/Mortar & Maintenance Plast.

The product is suited for interior & exterior walls, roofing, masonry work and plastering of seepage-affected areas. It is also suitable for plastering applications in basements, ceilings, warehouses, tunnels, swimming pools, etc.

SALIENT FEATURES

- Ready to use (available in pre-mixed form & only water to be added)
- Organo Ready-Mix Plaster-Mortar/Maintenance Plast can be used for plastering on all types of bricks/block walls, AAC blocks, RCC and other concrete surfaces.
- High compressive strength
- Crack resistant, minimal wastage, damp & water proof
- Smooth surface finish with faster setting time
- Save 50% of labour cost
- Superior bond than conventional cement based mortar (plaster)
- Self-curing (70% less need of water curing after plastering)
- Plaster may be applied in a single stroke, even with high thickness (10mm-50mm)
- 30% more coverage area as compared to conventional plaster
- Saves time (putty & paint may be applied after 48 hours of application)
- Also, as per report of IIT Kanpur compressive strength of Organo Plast is much higher (20 MPa) than Traditional Plaster.





ECONOMIC ASPECTS

- Cost effective product, to achieve similar quality, the cost of Traditional plaster is found more than double of Organo Plaster.

SUSTAINABILITY ASPECTS

- The sustainability features of the product include; very less quantity of water used for curing, less pollution as comes in a dry pre-mixed form, strong & durable product giving a higher service life with low maintenance requirement.

SUITABILITY AND AVAILABILITY

Suitable for all kind of building/house-hold plastering & maintenance work

LIMITATIONS, IF ANY

- The surface should be structurally sound, clean and made free from oil, dirt, dust & laitance, grease, bond inhibiting agents, concrete sealers or curing compounds.

MARKET LINKAGES

- Based in Lucknow, however the partnership/ tie-ups for supply of product is being worked out on pan India basis.

MAJOR PROJECTS

Products used by:

- Research Designs and Standards Organisation (RDSO), Ministry of Railways, Lucknow
- UP PWD,
- Uttar Pradesh Metro Rail Corporation Ltd (LMRC), etc.

CERTIFICATION/INDIAN STANDARD/ ENDORSEMENT

- Conforms to IS: 2250; IS: 4031 Standards, as Tested by IIT Kanpur
- Recommended/approved by UP Metro Rail Corporation for product empanelment
- Recommended for Schedule of Rates (SOR) by Uttar Pradesh Public Works Department (UPPWD) & Uttar Pradesh Rajkiya Nirman Nigam (UPRNN)

