





## About the company

At Organo Technologies, we are passionate about transforming the construction industry through innovation, quality and reliability. As a leading construction manufacturing company, we specialize in producing high quality ready mix plaster, tiles adhesive, road marking paint and other exceptional construction solutions.

With years of experience and expertise in the field, we understand the unique challenges faced by construction professionals and homeowners alike. That's why we are committed to delivering products that surpass expectations, ensuring the success and longevity of your projects.

When you choose Organo Technologies, you're choosing more than just construction materials. You're choosing a reliable partner dedicated to your success. Join us in building a future where exceptional quality and innovation are the pillars of the construction industry



# Our Mission And Vision



## VISION

The company's vision is to be the leading provider of construction materials and solutions in the world.



## MISSION

The company's mission is to provide its customers with the best possible products and services and to continually improve its operations to meet the changing needs of the construction industry.



## SATISFACTION

We are dedicated to providing you with the highest level of satisfaction possible



## ORGANO MAINTENANCE PLAST Ready to Mix WATER PROOF Mortar

ORGANO MAINTENANCE PLAST (RMM) is prepared in a workshop in controlled condition by using coarse sand, cement, waterproofing compound & admixture in a designed ratio. However, conventional mortar is prepared on site using available coarse/fine sand and cement only. Due to mechanized mixing in controlled conditions, RMM is homogenous in comparison to conventional mortar. Skill of labor is more important in case of conventional mortar mixing.

**Ingredients of Mortar for Plaster:** The Basic Composition of the RMM is the same as conventional mortar i.e. Cement (Grade-43) and Mouram (Sand with IS standard) the mixture of Ratio **1:5/1:6**. Polymers and resins in powder form are added in RMM to enhance the property, strength and Bonding of the Plaster Mixture.

### Ingredients used in preparation of Ready to Use Plaster and Mortar

S. No.	Item	Specification
1.	Cement	Grade-43
2.	Mouram	% passing as under:
a	10 mm	100
b	4.75 mm	95- 100
c	2.36 mm	95- 100
d	1.18 mm	90- 100
e	600 microns	80- 100
f	300 microns	20-65
g	150 microns	00-15
3.	Plaster Thickness	9.5-12.5 mm (as conventional plaster)
4.	Setting Time	30 Min Soft setting and 4 hrs for Hard Setting
5.	Water Required	8-9 litres/40 KG Bag
6.	Application time	40-45 min/40 KG Bag
7.	Strength of Material	High, compared to conventional mortar
8.	Bonding Property	High, compared to conventional mortar
9.	Surface Finish	Smooth, compared to conventional mortar
10.	Moisture Resistance	High, compared to conventional mortar
11.	Water Proofing	In built property
12.	Polymers	Used to improve quality
13.	Coverage Area	More compared to conventional mortar with the same quantity of Plaster (as claimed by manufacturer)

## Benefits of using Organo Maintenance Plast for Plaster:

- Ready to use (only water to be added). No need to add any material except water.
- More compressive strength.
- High water redundancy.
- No wastage, water proofing and damp proof.
- Smooth surface finish.
- Save **50%** of labor cost (i.e. by saving manpower in material carriage, mixing and curing after plastering).
- Excellent bond than conventional cement based mortar (plaster).
- Self-curing (**70%** less need of curing after plastering).
- **30%** more coverage area as compared to conventional plaster.

## Salient features:

### Test result of Ready to Mix Mortar carried out at IIT Kanpur

M/s Organo Technologies Pvt. Ltd. submitted test results issued by IIT Kanpur for their product Royal Touch Platinum( now Organo Maintenance Plast)as under –

- Water/RMM ratio = **0.17**
- Flow = **113.67 %**
- Compressive Strength =

**3 days (72 ± 1) hour = 8.39 N/mm<sup>2</sup>**

**7 days (168 ± 2) hour =13.10 N/mm<sup>2</sup>**

**28 days (672 ± 4) hour = 20.45 N/mm<sup>2</sup>**

- Air Content (by Pressure Method) = **5.0%**
- Water Retention = **67.3%**
- Flexural Strength = 7 days (168 ± 2) hour = **2.99 N/mm<sup>2</sup>**

**28 days (672 ± 4) hour = 4.59 N/mm<sup>2</sup>**

## Cost advantage's:

i) Ready to Mix Mortar is less expensive than **1:6** conventional mortar (coarse sand based) considering manpower requirement and water.

ii) In addition, Ready to Mix Mortar provides additional water proofing properties and saves approx. **30%** added cost with higher strength.

# Technical Data Sheet - Organo Ready-Mix Plaster (Type-A) For (External & Internal Wall/Bathroom/Basement)

(Conforming to IS, Tested & Certified By IIT Kanpur - IS : 2250 IS : 4031)

**Organo Plast** - Made to be better Manufactured at - a state - of-the - art plant.

**Organo Plast** - Ready Mix-Plaster is a blend of Portland cement, fine graded granules and water - soluble, high quality polymer additives, in the right proportions.

**Organo Plast** - Ready to use by simply mixing water at the site and can be easily applied on the brick, blocks and concrete surfaces.

**Organo Plast** - Eliminating the trial & error and unscientific methods of mixing plaster at the site.

**Organo Plast** - Ready-Mix Plaster offers consistent quality, highly compact plaster, batch after batch, to assure you of hardness, smoothness quick setting and durability.

## Organo Ready - Mix Plaster Vs Traditional Plaster

Parameters	Organo Ready Mix Plaster	Traditional Plaster
Quality	<ul style="list-style-type: none"> <li>Conforming to IS</li> <li>Tested by IIT Kanpur - IS : 2250 IS :4031 (Report enclosed)</li> <li>Consistent quality</li> <li>Higher compressive strength</li> <li>Appropriate fluidity</li> <li>Water retentivity, Suitable to work ability</li> <li>Highly compact</li> <li>Batch wise testing</li> <li>Smooth surface</li> <li>Better hardness</li> <li>Highly durable</li> </ul>	<ul style="list-style-type: none"> <li>Usually no testing Practice</li> </ul>
Work Speed & Project completion within secluded time frame	<ul style="list-style-type: none"> <li>Easy to handle &amp; mixing (Eliminate trial &amp; error)</li> <li>Easy to apply</li> <li>Quick setting time (Putty &amp; paint may apply after 2/3 days)</li> <li>Speed-up the project completion as scheduled</li> </ul>	<ul style="list-style-type: none"> <li>Mixing of 4/5 ingredients at site by unskilled workers, handling &amp; Application takes more time, longer setting time</li> <li>Possibility of delayed project completion</li> </ul>
Wastage & Bulkage	<ul style="list-style-type: none"> <li>High level &amp; fast bonding</li> <li>Reduced wastage by material dropping applications</li> </ul>	<ul style="list-style-type: none"> <li>Normal bonding increase the wastage by dropping material during application</li> </ul>
Pollution & NGT Norms, other social responsibility	<ul style="list-style-type: none"> <li>Packed in bags eliminate the open space dumping (as per NGT norms) of basic construction material i.e., Sand/Badarpur Maurang</li> <li>Reduce at least 50% water consumption for curing</li> <li>No wastage at site as material is Pre-Processed at factory/river bed (Prevents Pollution onsite also)</li> </ul>	<ul style="list-style-type: none"> <li>Highly polluting against the prescribed NGT norms</li> <li>Higher water consumption (Water is a scarce resource)</li> <li>On site wastage is higher</li> </ul>
Skill/Unskilled human resource	<ul style="list-style-type: none"> <li>Eliminate the challenges to control unskilled manpower to preparer the plaster-mix at site as per standards of cement setting time</li> <li>Control lot preparation being packed &amp; Pre-mixed material</li> </ul>	<ul style="list-style-type: none"> <li>Difficult to control the proportion of ingredients for plaster-mix as per standards</li> <li>Excess material mix prepared by unskilled workers causes loss of unutilized material at the shift-end</li> </ul>
Handling & Storage	<ul style="list-style-type: none"> <li>Packed in bags, Easy to store &amp; handling</li> </ul>	<ul style="list-style-type: none"> <li>Loose material difficult to store &amp; handling</li> </ul>
Maintenance	<ul style="list-style-type: none"> <li>Highly compact, hard durable &amp; reduce void gaps leads to least maintenance</li> <li>Durable accommodate the strength induce by the volumetric changes</li> </ul>	<ul style="list-style-type: none"> <li>Repeated maintenance in short intervals</li> </ul>
Surface appearance	<ul style="list-style-type: none"> <li>Smooth</li> <li>Even painting is possible as next application by avoiding the putty application</li> </ul>	<ul style="list-style-type: none"> <li>Rough</li> <li>For surface smoothness next coating is must</li> </ul>
Cracks & Damage	<ul style="list-style-type: none"> <li>Mechanize &amp; homogenous mixing (Cementitious + Inert materials) leads to higher quality</li> <li>Water proof &amp; damp resistant material control deterioration process</li> <li>Retain moisture after plaster application, reduced the repeated curing as per the requirement for plaster strength and to control cracks &amp; damages</li> </ul>	<ul style="list-style-type: none"> <li>Homogeneous mixing is not possible manually, Higher chances of cracks &amp; damages</li> <li>Difficult to monitor the curing which is important for plaster quality to avoid cracks and further damages</li> </ul>

Parameters	Organo Ready Mix Plaster	Traditional Plaster
Self Life	<ul style="list-style-type: none"> <li>• 5/6 months in original packing as per the standards</li> </ul>	<ul style="list-style-type: none"> <li>• Low self life of cement is one of the important ingredient for plaster</li> </ul>
Coverage*	<ul style="list-style-type: none"> <li>• 40 kg bag 10-12mm of ACC blocks 17-18 sq.ft</li> <li>• 10-12mm plaster on clay brick 20-22 sq.ft</li> <li>• 18mm on ACC blocks 11 sq.ft</li> <li>• 25mm on brick wall 6-7 sq.ft</li> </ul>	<ul style="list-style-type: none"> <li>• Uncertain coverage</li> </ul>
Costing	<ul style="list-style-type: none"> <li>• Economical</li> <li>• Only 4 process involved-plaster+curing 3 times+Putty+Painting (1-2 coat)</li> <li>• Time saving (Putty &amp; paint may apply after 2/3 days)</li> <li>Longer life, reduced future maintenance cost</li> <li>Reduces excessive thickening in plastering more spreading area</li> </ul>	<ul style="list-style-type: none"> <li>• Due to repeated maintenance &amp; uncertain thickness increase the costing overall</li> <li>• 8 process involved - plaster+curing 12 times+pre coat+putty 2 coat+ paint (1-2 coat)</li> <li>• More time required (Approx 12 to 15 Days)</li> </ul>

\*Coverage is an indicative figure. It depends mainly upon substrate conditions and natural elements. Plaster more than 12mm should done in multiple coats

\*Highly recommended for maintenance work, swimming pools, roof top and water logged area.

## Unique Features of

**Organo ready mix/Ready to use plaster & Mortar: organo maintenance plast  
Water proof/Crack Proof/High strength**

	Organo Plaster Type A & Type B	Usual Plaster in Practice
Raw Material Source except cement	<ul style="list-style-type: none"> <li>• Uttar Pradesh based - washed &amp; dried "River Core Sand", source river "BETWA &amp; KANE".</li> <li>• Uttar Pradesh based - washed &amp; dried silica, usually used in glass industry.</li> <li>• Other nano particles as silica fume/silica sand.</li> <li>• OTPL patented water proofing and strengthening compound.</li> </ul>	<ul style="list-style-type: none"> <li>• Various source &amp; Material :- <ul style="list-style-type: none"> <li>- Badarpur</li> <li>- Stone Dust</li> <li>- Yamuna Sand</li> <li>- Other River Sand</li> </ul> </li> <li>• Unwashed</li> </ul>
Material Mix & Processing	<ul style="list-style-type: none"> <li>• OTPL in house formula for homogeneous machine mixing of material proportion.</li> <li>• Packed in 40 kg bags.</li> </ul>	<ul style="list-style-type: none"> <li>• Sieving &amp; Hand Mixing by semi skill/unskilled man power at site.</li> <li>• Loose material, limited scope of material proportion mixing &amp; quality control at site.</li> <li>• Cement and Sand Mixing ratio (1:4/1:6)</li> </ul>
On site application (Plastering)	<ul style="list-style-type: none"> <li>• Low consumption of water Only 8-9 liter water required for mixing (4+2+2) + 1 if.</li> <li>• Limited post plastering curing only 2-3 times.</li> <li>Fast Drying of plaster surface. Available for next applications as</li> <li>• putty and paint etc. Just after 2 days of plastering.</li> </ul>	<ul style="list-style-type: none"> <li>• High water consumption Curing 12-14 times 6-7 days</li> <li>• Takes a longer time approx 14 days after plaster for next applications as putty and paint etc.</li> </ul>





## Application Process Flow Chart



## Govt. Agencies Recommendation and Feedback

<b>- BMPTC</b> Ministry of housing and urban affairs GOI	<ul style="list-style-type: none"> <li>• Performance appraisal certificate (PAC)/Product acceptance</li> <li>• Product and technology innovative building materials and “construction technologies”, showcased at IHTM, 5-7 Oct. 21 IGP, Lucknow</li> </ul>
<b>- RDSO</b> Ministry of Railways	<ul style="list-style-type: none"> <li>• Recommendation for use of “Ready Mix Mortar” to 25 PCE/Chief engineer /Dy. chief engineer</li> </ul>
<b>- MES</b> Ministry of Defense	<ul style="list-style-type: none"> <li>• Make approval (Organo Ready Mix Plaster) mention in tender application</li> </ul>
<b>- UP Metro Rail Corp. (UPMRC) F- ITALFERR J</b> TYPESA Consulting engineers & architects (Consultant/Quality controller of UP Metro)	<ul style="list-style-type: none"> <li>• Vender approval for “Ready Mix Plaster”(M/s. Organo Technologies Pvt. Ltd. for internal finishing of buildings at CSA RSS)</li> </ul>
<b>- UP PWD</b>	<ul style="list-style-type: none"> <li>• For the schedule of rates enlisting</li> </ul>
<b>- UP Rajkiya Nirman Nigam</b>	<ul style="list-style-type: none"> <li>• For schedule of rate enlisting</li> </ul>
<b>- UP PWD</b>	<ul style="list-style-type: none"> <li>• Make approval (Organo Ready Mix Plaster)</li> </ul>
<b>- UP PWD</b>	<ul style="list-style-type: none"> <li>• Quality/Performance report</li> </ul>
<b>- UP PWD</b>	<ul style="list-style-type: none"> <li>• Quality/Performance report (2 years later)</li> </ul>





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