

TL02 RENDER MORTAR

DS-EN-TL02-0727

PRODUCT NAME

TL02 Render Mortar

COLOR

Grey

MANUFACTURER

TAMMY Energy-saving Building Materials
(Beijing) Co., Ltd.**Website:** www.thmaterials.com

Customer Service Hotline:

400-811-1515 (China)

86-10 68315916 (International)

Headquarter: Room 902, Macro Link Industrial
Mansion, #5 Jiachuang Road, Tongzhou
District, Beijing, China**Fax:** 86-10 68318106

PRODUCT DESCRIPTION

TAMMY TL02 RENDER MORTAR is prepared with high-grade cement, sand and selected additives, has the advantages of high bonding strength, good water retention, small shrinkage and easy to use etc.

FEATURES AND BENEFITS

- Easy to use, just mix with water
- High bond strength
- High compressive and flexural strengths
- Good adhesion to substrate
- Consistent quality
- Green environmental protection

USES

It is applicable for the substrate leveling of various wall surfaces.

SUITBLE SUBSTRATES

- Concrete
- Existing ceramic tile and stone

PACKAGING

40kg/bag

SHELF LIFE

Factory sealed containers of this product are guaranteed to be of first quality for 3 months if stored at temperatures greater than 5°C and less than 35°C.

* High humidity will reduce the shelf life of bagged products.

LIMITATIONS AND CAUTIONS

- Keep out of the reach of children.
- Dilute proportionally with water during the preparation of render mortar, no additional water or dry mortar shall be allowed to add into the hydrated mortar.
- The environment temperature of application should not be lower than 5°C or higher than 35°C.
- Protect from rain and moisture in the process of product storage and transportation, do not use any agglomerated products affected with damp.
- Do not mix this product with any other products.

TECHINICAL DATA (Meets or exceeds GB/T 25181-2010 standard. Water amount is 15%)

Test	Specification	Test Result	
Water-retention /%	≥88	89	
Setting Time /h	3 - 9	5.7	
2h Consistency Loss /%	≤30	15	
Tensile Intercept Strength After 14d	≥0.2	0.23	
Shrinkage Rate After 28d	≤0.2	0.11	
Freezing Resistance	Strength Loss Rate/%	≤25	22

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	Mass Loss Rate/%	≤5	4
Compressive Strength/MPa		≥10.0	11

Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site condition

APPLICATION

TOOLS

Low-speed Mixer, Mixing Container, Rubber Hammer, Flat Hardboard etc.....

SUBSTRATE PREPARATION

1. Remove debris, residual mortars, excessive mortar, and dusts etc. from the substrate surface.

2. The loose or degeneration areas on the substrate should be pretreated, and the application substrate must be firm and solid.

3. Renovate the chiseled grooves and holes, and all the gaps between the door/window framework and wall must be impacted tightly with mortars in advance. Special attention: It is necessary to lay alkali-resistant fiberglass meshes for reinforcement when plastering if there are wire slots or a power source control box on the wall.

4. Priming Coat Treatment:

4.1 Cast-in-place concrete or smooth partition wall (such as GRC wallboard) substrate: The surface should be free of the release agent pollution; roller brush once coat of liquid primer in advance, and then carry out the surface roughening treatment (the substrate must be fully covered).

4.2 For those aerated concrete substrates, roller brush one or two coats of liquid primer on the surface.

4.3 It is unnecessary to make the priming coat treatment for those sintered brick or small-size concrete block substrates, apply the plastering mortar directly after water spray wetting.

Note: Follow the standard of liquid primer for its usage and subsequent construction time interval.

MATERIAL PREPARATION

1. Mechanical stirring is recommended for the

preparation of wet mortars. Generally add water first and then add dry materials, stop operation 2-3 minutes after the first time stirring, cure for at least 3 minutes and then restart the mixer, it is ready to use after stirring another 1-2 minutes. If mixing manually in the site, use after the mixture is well stirred.

2. The recommended ratio of water and material is approximately (0.16-0.18):1 (proportion by weight), depending on the site environment. The ratio of water and material may vary with the difference of temperature and humidity, but the mixture should not be too thin.

3. The well-mixed render mortar should be used up within 4 hours.

4. The well-mixed mortar cannot be stirred again with water, and it is strictly prohibited to remix and use the cured mortar by adding water.

APPLICATION PROCEDURES

1. Substrate preparation;

2. Check the vertical degree with a lead weight, check if the internal angles with a triangle ruler, make a comprehensive plaster planning, and make the mortar cakes.

3. Treatment of cement skirting, angle beads, windowsills, and distribution box, slots and boxes: Treat such positions according to the general process standard of plastering construction.

4. Plastering steps: Apply a thin layer of mortar to seal the substrate first, repeat the layered rendering operation until it is flush with the mortar cakes or strips, and then scrape to smooth with a wood scraping bar. Carry out the surface application according to the subsequent requirements. Normally rub to smooth the surface with a wood or plastic trowel if it shall not be used as the final one, and the surface trowelling is often unnecessary; but if it shall be used as the final surface, then the surface should be a trowel finish and the trowelling time must be properly controlled, but the time may not be too late.

5. The thickness of each plaster layer is recommended within 7-9mm, control the rendering time of each layer upon the change of temperature, the advised rendering time interval shall be no shorter than 24 hours.

6. Install steel meshes or alkali-resistant fiberglass meshes for reinforcement when the

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total rendering thickness is more than 30mm; lay steel meshes in advance before plastering at the junction of different substrates, and the overlap width of the reinforce mesh with the substrates shall be no less than 100mm.

7. The plaster layer needs at least 3 days of wet curing; wait 7 days before proceeding to the next procedure after the completion of plaster layer application.

AVAILABILITY AND PRICE

AVAILABILITY

TAMMY products are available worldwide.

For distributor information:

Tel: 400-811-1515 (China)

86-10 68315916 (International)

Email: tammy@thmaterials.com

PRICE

Contact a TAMMY representative / Authorized dealer in your area.

TECHNICAL SERVICE

TECHNICAL ASSISTANCE

Information is available by calling the TAMMY Technical Service at:

Tel: 400-811-1515 (China)

86-10 68315916 (International)

FAX: 86-10 68318106

DS AND MSDS

DS and MSDS are available on TAMMY website: www.thmaterials.com

**TAMMY ENERGY-SAVING BUILDING
MATERIALS (BEIJING) CO., LTD**

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