



Installation and Maintenance

ROMA GROUP
Romastone Co., Ltd



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A. Installations

Tiling System for floor and wall

- 1) Floor wet cement sand mortar bed
- 2) Floor wet mortar bed with adhesive layer
- 3) Wall cladding by hanging system
- 4) Wall cladding by adhesive
- 5) Wall cladding by cement sand mortar

Cautions for avoiding risk of installation

1. Clean the floor bed completely before starting work.
2. For floor tile larger than 300mm x 300mm, it is advised to grout adhesive on the back of tiles in order to increase bonding strength if possible.
3. The perfect mortar ratio of cement :sand is 1:3
 - Cement: low Alkali contained , Portland type I.
 - Sand: clear river sand
 - Water: uncontaminated water.
4. The cement mortar must be evenly mixed, poorly mixed mortar results poor structural and effect bonding strength. The hollowing or cracking maybe caused due to the improper mixing of mortar.
5. Use Neutral (non-acidic or alkaline) grouting to seal the joint.
6. Upon completion of tile installation, the floor should not be walked upon for at least 24 hours.
7. To seal the joint in 48 to 72 hours after tiling process, the safe joint (gap) is 0.5-1.5mm.
8. Please give enough drying time for the substrate properly. If joint is sealed too early, there is the risk to cause white stain marks on the tiles due to the Alkali reaction effect by cement.
9. The tiles are required well protection covered by plastic form tarps and paper boards after being finished joint.
10. To protect the tiles surface during the construction period is very important away from site pollution.

B. Maintenance

1. The reference of stain sources effect and areas.
 - Entrance/ Corridor----dust \ water \ sand...
 - Kitchen----oil \ soy sauce \ ketchup \ coffee...
 - bathroom----cleaning detergent \ cosmetic...
2. Simply maintenance subject to different traffics.
 - Low traffic area like private house / residential space.
 - Place door mat near the entrance to avoid dust and sand carried under shoes from outside. By simply use vacuum cleaner for cleaning and sweep the floor with soft brooms.
 - High traffic area like shopping center /department store or public area.
 - Mop the floor with Neutral cleaning agents and use wet vacuum cleaner to prevent liquid over exposure to the stone surface.
3. For high traffic area like shopping mall \ department store \ commercial and public area. In order to maintain the glossy surface, the professional maintenance “ Crystallized coating /treatment” is recommended every 6 months .
 - The tools /components for professional crystalized polishing process –
 - * #250 RPM polishers / sponges.
 - * Wet vacuum cleaner °
 - * Neutral washing agents
 - * Polishing glaze powder and clean water (ratio 5:100)
 - * Stone sealant
 - * Crystallization stone coating liquid.
 - * Towels /Soft broom for wiping
 - * Re-polishing abrasive sequence is according to the floor condition.
 - *Repeated re-polished time is up to 3 times or more for heavy traffic areas.

The keys to maintain Romastone:

- (1) Try to keep the interior environment dry and clean, avoiding too much water humidity.
- (2) Take attention to protect Romastone surface away from sand and dust, offering door mat/ entrance pad in appropriate places for high traffic area.
- (3) Do not use heavy Acid or Alkaline cleaner agent for cleaning to avoid color-fading.
- (4) Do not cover Romastone by carpet for long time. Do not remain any liquid on Romastone for long time.
- (5) Always remove the dust or stain periodically. When get stain happened, the stain must be removed in 24 hours.
 - Stain source like coffee 、 soy sauce 、 ketchup ... can be removed by 6% Hydrogen peroxide
 - Stain source like oil 、 grease... can be removed by Acetone.,
- (6) The re-polishing process is to remove the stain and gain glossy surface. Please find local stone specialist for routine polishing solution.
- (7) Romastone has long life time can be used over than 20 years if under appropriate routine maintenance process.



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