

CONSTRUCTION METHOD

CONSTRUCTION SOLUTION Lemax Ultra Bond and Lemax Tile grout



Field

Lemax Ultra Bond is suitable for use on facades with Ceramic, Granite, Porcelain, Glass Mosaic, natural stone, ceramic tiles... with large size & low water absorption, in the interior or covered exterior. Areas with high humidity such as bathrooms, kitchens...

Product Description

Lemax Ultra Bond is a cement-based tile adhesive that meets C2 quality standards according to TCVN 7899-3:2008 & ISO 13007-3:2004, with many preminent features.

Application

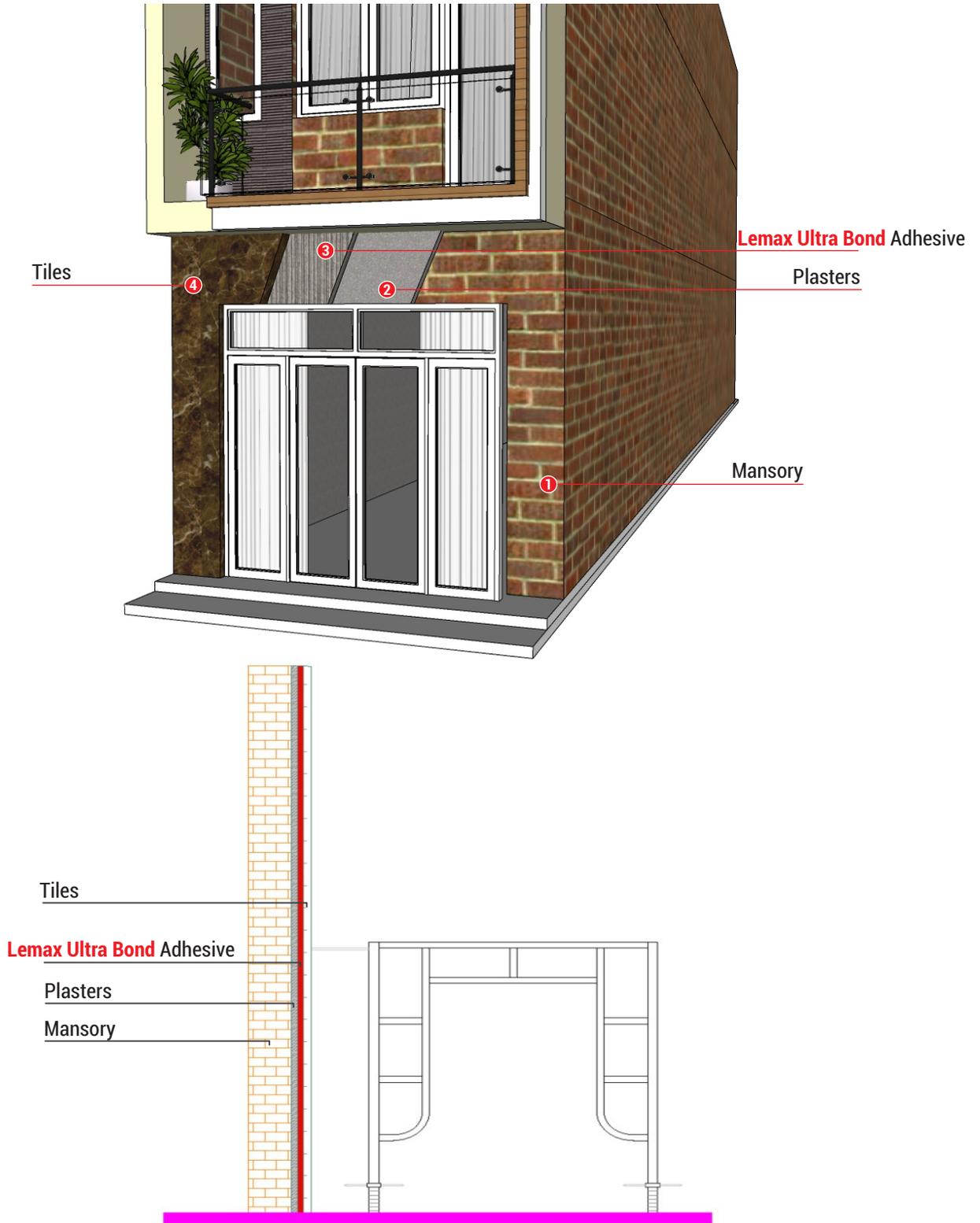
Used for tiling floors or walls with ordinary plaster or cement mortar, tiling interior areas, exterior areas less affected by sudden temperature changes, concrete slabs, plasterboards that have been installed treated with a special lining.

Advantage features

- Very high adhesion strength
- No shrinkage, no flaking
- Good waterproofing
- Convenient to use, economical
- Good anti-slip
- Friendly to the environment and users

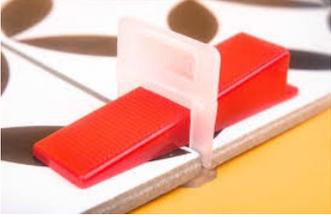
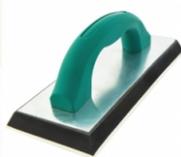
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System structure



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Product pictures and construction tools and equipment

		
<p>Tile adhesive, Tile grout</p>	<p>Material mixing bin</p>	<p>Notched trowel</p>
		
<p>Stirrer</p>	<p>Angle Eke</p>	<p>Balancing Eke</p>
		
<p>Rubber hammer</p>	<p>Grout trowel</p>	<p>Cleaning brush</p>

• Application Lemax Ultra Bond and Lemax Tile Grout

▪ Surface preparation

- The application surface must be flat, firm, free of impurities, apricot oil, wax and dry.
- Cement-based surfaces must not shrink after tiling and must be adequately and properly cured.
- Cool the surface with water if the surface is overheated due to direct sunlight exposure.
- The plaster surface must be completely dry, solid, free of dirt and must be treated with a special primer.

▪ Mixing

- Use a mixer at low speed to mix **Lemax Ultra Bond** with clean water to form a smooth and clump-free mixture, pay attention to pouring water in the bucket first & slowly pour in the adhesive. Leave for about 3-5 minutes for Polymer and additives to take full effect, mix again and use normally.
- Mixing water ratio is 22%-24% by volume.
- Carefully read the instructions for use on the packaging.
- The potlife of the adhesive mixture after mixing is 4 hours.

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■ Adhesive Application

- **Lemax Ultra Bond** is applied by notched trowel onto the tiled surface. Choose an appropriate notched trowel capable of covering 65-70% of the back side of the tile when walling or in light-traffic areas indoors. For high-traffic areas and outdoors, a notched trowel that covers 100% of the brick area should be used.
- To achieve the best adhesion of tiles to the tiling surface, it is necessary to adhere to the following construction methods: First, use the straight edge of the notched trowel to spread a layer of **Lemax Ultra Bond** of appropriate thickness (depending on the tile size and thickness) onto the tiled surface, then use the notched edge to pull an angle of 45 degrees. the degree of creating grooves of suitable and uniform thickness on the surface of the tiling grout.
- In case of tiling tiles on outdoor walls and floors that are affected by extreme weather (hot sun, frost...) in swimming pools, heavy-loaded floors, difficult-to-construct areas or tiles with large sizes size larger than 90cm2... should use a notched trowel to spread Lemax Easy Bond evenly over the back of the brick.

■ Tiling

- No need to wet the tile before tiling. If the back of the tile is too dirty, it is necessary to wash the tile in clean water and let it dry before applying.
- Use a rubber hammer to lightly tap the tile when tiling to ensure absolute contact between the tile and the glue.
- The application time (opening time) of **Lemax Ultra Bond** tile adhesive is 20 to 30 minutes at room temperature. In unfavorable weather conditions (sunny, dry, high temperature...) or with highly absorbent surfaces, the time allowed for construction may be shortened.
- When applying, it is necessary to pay attention to check to avoid the formation of a thin dry film on the surface of in this case should use a trowel to rebuild a new mortar, do not use water because it may affect the adhesion ability of the mortar.
- Should moisten the surface and let it dry before applying to maintain the mortar application time.
- Tile position adjustment, if necessary, can be done within 20 minutes after tiling.
- **Lemax Ultra Bond** tiles must be protected from washing off or rain seepage for at least 24 hours and out of direct sunlight for 5 to 7 days after application.

■ Filling joint

- Joints on the wall can be filled with Lemax Tile Grout after 4-8 hours and the Joints on the floor can be filled after 12 hours after application.
- Use a damp cloth to wipe the tile surface after a few hours of sealing.
- Time for foot traffic: after 24 hours
- Service time: after 14 days

■ Cleaning

- Clean all application tools and containers with clean water before the adhesive dries.

■ Consumption

Tile size (mmxmm).	Consumption (kg/m ²).
≤200x200	2-3 kg/m ²
300x300, 400x400	4-5 kg/m ²
300x600, 600x600	6-8 kg/m ²
600x900, 800x800	8-10 kg/m ²

■ Note

- The actual amount used varies depending on the flatness of the substrate, the skill of the builder, the tools and the construction method.

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■ Packing, storage and shelf life

- Lemax Easy Bond is packed in 3-layer moisture-proof bags, weighing 25kg/bag.
- Store in a dry place, do not stack more than 10 bags for a long time.
- Shelf life 12 months from date of manufacture in unopened packaging.

■ Safety instructions

- **Lemax Ultra Bond** contains cement, so may cause skin irritation when exposed to sweat.
- Should wear gloves and goggles when handling, if accidentally splashed in the eyes, need to wash under clean running water many times and go to the nearest medical facility for examination.

Images of construction steps

(Images are for reference only)



Surface cleaning



Mix tile adhesive



Tiling



Finish Surface