

GLOBAL MORTAR

HOLDINGS PRIVATE LIMITED

GLOBAL TILE ADHESIVE

DESCRIPTION

GLOBAL TILE ADHESIVE is a cement based water resistant tile adhesive that is specially formulated for floor and wall tiling work on concrete floor substrate and surfaces. The product is ideal for installing ceramics tiles, homogeneous tiles, marble and natural stones to interior and exterior walls and floor.

USES

- ∞ Use to lay tiles, marbles / natural stones onto concrete render, block work, and rendered brickwork surfaces.
- ∞ Can be used on walls and floors in both interior and exterior applications.

BENEFITS

- ∞ Soaking of tiles in water before installation is not required.
- ∞ Water resistant, can be used in toilets, kitchens, etc.
- ∞ Excellent bond strength and workability.
- ∞ Consistent quality.
- ∞ Anti-sagging.
- ∞ Convenient in placing, handling, mixing and application.

TECHNICAL INFORMATION

Appearance	: Grey
Water / powder ratio	: 5 – 6 litres of water per 25 kg
Recommended thickness	: Depending on tiles thickness
Tensile Adhesion Bond Strength BS EN 1348:2007	: 7 days - $\geq 0.3 \text{ N/mm}^2$ 28 days - $\geq 1.0 \text{ N/mm}^2$
Tensile Adhesion Bond Strength After Water Immersion BS EN 1348:2007	: 28 days - $\geq 1.0 \text{ N/mm}^2$
Tensile Adhesion Bond Strength After Heat Aging BS EN 1348:2007	: 28 days - $\geq 1.0 \text{ N/mm}^2$
Open Time BS EN 1346:2007	: $\geq 0.5 \text{ N/mm}^2$ after not less than 30 min
Deformity EN 12002:2002	: 2.5mm to 6.00mm

DIRECTION FOR USE

SURFACE PREPARATION

Surface of substrates and tiles back-face should be clean, free from oil, grease, dust and others contaminants which may affect adhesion. Dry substrates should be dampened before application.

MIXING

Mix of GLOBAL TILE ADHESIVE should use the clean water and mix thoroughly using a hand-held or mechanical mixer for 3-5 minutes until a uniform paste is achieved and ensure the mix is free from lumps. The mix ratio is add approximately 5 – 6 litres of clean water to 25 kg of GLOBAL TILE ADHESIVE.

COVERAGE

Coverage varies according to surface condition and the build-up required. The following can be used as an approximate guide:

- Using a 4.5mm x 4.5mm notched trowel, approximately 2 kg/m²
- Using a 6mm x 6mm notched trowel, approximately 2.5 kg/m²
- Using a 10mm x 10mm notched trowel, approximately 3.5 kg/m²

APPLICATION METHOD

Use a notched trowel for application onto the substrate and buttering onto the back face of the tile to enhance the performance and proper coverage of the adhesive. Tile with deep groove should be properly buttered and ensure the adhesive have proper coverage in the inner groove of the tiles.

PACKAGING

One bag of GLOBAL TILE ADHESIVE is packed in 25 kg.

SHELF LIFE

Shelf life up to 12 months from the date of production. It must store in dry place free from moisture contact in original sealed packing.

GLOBAL MORTAR HOLDINGS PTE LTD

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GLOBAL MORTAR

MSDS: Global Tile Adhesive

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

PRODUCT NAME : GLOBAL TILE ADHESIVE
CHEMICAL FAMILY : Cement / Graded Sand powder mixture
EMERGENCY CONTACT : GLOBAL MORTAR HOLDINGS PTE LTD
Blk 473 Choa Chu Kang Avenue Singapore 680473
(65) 97323379

2. HEALTH HAZARD DATA

ACUTE Cement and Graded sand does not contain any substances classified as hazardous that irritants to eyes, skin and respiratory system.

CHRONIC Graded Sand is crystalline silica. Long term inhalation of silica dust may cause silicosis and cancer.

3. INGREDIENTS

<u>COMPONENT</u>	<u>% BY WT</u>
Portland Cement	25 – 45 %
Graded Sand	40 – 60 %
Additive	< 5 %

4. FIRST AID MEASURES

INGESTION Wash mouth and lips with water and seek medical attention.

EYE CONTACT Hold eyelids open and flush with plenty of water for 15 minutes, consult to doctor.

INHALATION Move to fresh air and rest quietly. Consult a doctor if effect persist.

5. FIRE FIGHTING MEASURES

In organic powder, will not burn or support combustion. Compatible with all standard firefighting techniques. No special procedures required.

6. ADDITIONAL RELEASE MEASURES

Contain spillage. Avoid skin or eye contact. Stop pedestrian from walking through the spill. Sweep up and collect any dry split product. Clean up should be with water for small spillages and do not allow material to enter drain or waterways. Spillages which become damp will set and harden. Clean up spillages promptly.

7. HANDLING AND STORAGE

PERSONAL PROTECTION	Always wash hand before eating, drinking or visiting the toilet. Wear dust mask, safety glasses, chemical resistant apron and impervious gloves. Avoid inhalation of dust.
FLAMMABILITY	Non-flammable.
STORAGE	Keep in dry place.

8. EXPOSURE CONTROLS

ENGINEERING CONTROL	Ventilation as necessary to prevent any dust exposure greater than the above limit.
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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Grey Powder
ODOUR	None
pH	Not Determined
SOLUBILITY IN WATER	Insoluble
VISCOSITY	Not Applicable
FREEZING POINT	Not Applicable
BOILING POINT	Not Applicable
VAPOUR PRESSURE	Not Applicable
SPECIFIC GRAVITY	Not Applicable
VAPOUR DENSITY	Not Applicable
EXPLOSIVE LIMIT	Not Applicable

10. STABILITY AND REACTIVITY

STABILITY	Stable at normal temperatures when kept dry.
MATERIAL AND CONDITION TO AVOID	Non Known
HARZADOUS DECOMPOSITION PRODUCT	None Known

11. TOXICOLOGICAL INFORMATION

INGESTION	No specific data available. Not regarded as harmful by ingestion. Unlikely to cause any serious ill effects. May cause minor upset or irritation to the digestive system.
INHALATION	Dust arising from the preparation is not likely to cause significant disease or toxic effect if exposure is kept under reasonable control. Inhalation of Graded Sand (crystalline silica) over long periods can cause silicosis and cancer.
SKIN CONTACT	Prolonged contact may cause irritation, especially if wet.
EYE CONTACT	Will cause transient discomfort and irritation.

12. ECOLOGICAL INFORMATION

This material is not known as biodegradable. Long term ecological effect as for any cement / concrete product.

13. DISPOSAL CONSIDERATIONS

This preparation is not classified as special waste under the Singapore control of pollution. Consult local regulations before disposal.

14. TRANSPORT INFORMATION

No special packaging requirement. Not classified as dangerous goods under the United Nations Transport Recommendations.

15. REGULATORY INFORMATION

Not classified as dangerous under current regulation.

16. OTHER INFORMATION

The information given is based on our knowledge of this products, at the time of publication. It is given in good faith. Appropriate warning and safe handling procedures should be provided to all those who handle and use the product and no liability can be accepted for any loss, injury or damage resulting from its use.

Date of Issue : 1 November 2013