

GLOBAL MORTAR

HOLDINGS PRIVATE LIMITED

GLOBAL RENDER

DESCRIPTION

GLOBAL RENDER is a based cementitious pre-packed mortar specially formulated for plastering work on concrete surfaces, brick wall and block wall. It give superior bonding and excellent strength to the substrate.

GLOBAL RENDER comprises of Portland cement, Graded Sand, polymer, and additive to provide a durable plaster for both internal and external use.

USES

GLOBAL RENDER is highly recommended for bedding, joint mortar for brickwork and block work, backing and bedding for wall tiles. Is also suitable for all types of concrete substrates, lightweight block, brick wall and block wall.

BENEFITS

- ∞ Good weather resistance and high durability.
- ∞ Excellent bonding strength.
- ∞ Premixed to ensure good consistent quality.
- ∞ Eliminates all surface crack lines.
- ∞ Convenient in placing, handling, mixing and application.

TECHNICAL INFORMATION

Appearance	: Grey
Water / powder ratio	: 5.6 – 6.4 litres of water per 40 kg bag
Tensile Adhesion Strength	: ≥ 0.75 N/mm ² (14 days)
Shear Adhesion Strength	: ≥ 1.00 N/mm ² (14 days)
Binder	: Portland Cement
Filler Material	: Graded Silica Sand
Additives	: Polymers to improve workability, water retention
Recommended Thickness	: 8mm – 15mm per layer of application
Coverage	: Approximately 26 - 30m ² /mm/ 40kg bag

DIRECTION FOR USE

SURFACE PREPARATION

Surface of substrates should be clean, free from oil, grease, dust and others contaminants. Dry substrates should be dampened before application of GLOBAL RENDER.

MIXING

Mix of GLOBAL RENDER should use the clean water and mix thoroughly using a hand-held or mechanical mixer for 3-5 minutes until a desire homogenous mix is achieved and ensure the mix is free from lumps. The mix ratio is add approximately 6 – 6.4 litres of clean water to 40 kg bag of GLOBAL RENDER.

APPLICATION METHOD

Applied GLOBAL RENDER by use a steel trowel or spraying machine. The first coat should have application thickness not exceeding 8mm. After curing under shaded ambient condition for at least 4 hours before the second coat is applied.

POT LIFE

Approximately 40 – 60 minutes after mixing.

PACKAGING

One bag of GLOBAL RENDER is packed in 40 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

Blk 473 Choa Chu Kang Avenue

3 # 09-167, Singapore 680473

Tel : (65) 97323379

Email : sales@globalmortar.com

Website : www.globalmortar.com

MSDS: Global Render

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

PRODUCT NAME : GLOBAL FLOOR SCREED
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

COMPONENT	% BY WT
Portland Cement	15 – 35 %
Graded Sand	60 – 80 %
Additive	< 5 %
Filler	< 10 %

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. ADDICENTAL 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.

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