

# E.MIX Floor Hardener

Dry shake, non-metallic floor hardener

E.MIX Floor Hardener is a dry shake, non-metallic floor hardener for heavy-duty traffic purposes. It provides high abrasion and wear resistance for internal and external use. It's applied as a dry-shake monolithic method over freshly laid concrete or floor screed, power floated to obtain a highly abrasive resistant and high strength surface. E.MIX Floor Hardener is a green-labelled product endorsed by the Singapore Green Building Council.



## PRODUCT BENEFITS



**FLOOR HARDENER**



**EXCELLENT STRENGTH**



**HEAVY DUTY TRAFFIC**

## USES

E.MIX Floor Hardener provides a high abrasion and wear resistance for old and new floor applications such as commercial and industrial - factories, warehouses flooring. Also suitable for carparks, driveways, garages, loading bays, exhibition halls and automobile showrooms.

## ADVANTAGES

- Increase abrasion resistance
- Non-rusting and non-slip surface
- Dustproof property
- Resistance to petrol, diesel, grease and household chemicals
- High compressive strength

## TECHNICAL DATA & PHYSICAL PROPERTIES

Colour	Grey
Compressive Strength @ 28 days (ASTM C349: 2014)	112.8 N/mm <sup>2</sup>
Flexural Strength @ 28 days (ASTM C348: 2014)	21.1 N/mm <sup>2</sup>
Scratch Hardness (Mohs Scales) (SS 301: 1985 Appendix G)	7

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

## CONSUMPTION / USAGE

Usage	Application Rate (kg/m <sup>2</sup> )
Light Traffic	3
Medium Traffic	5
High Traffic	7

**SAINT-GOBAIN (SINGAPORE) PTE LTD**

2 Venture Drive, #13-18,  
Vision Exchange, Singapore 608526

(65) 63308288 (65) 63308289

eis.info@saint-gobain.com www.sg.weber

**SAINT-GOBAIN WEBER (M) SDN BHD**

No 29 & 31, Jalan TIAJ 2/1, Taman Industri Alam Jaya,  
42300 Bandar Puncak Alam, Selangor D E, Malaysia

(603) 60389498/97/89 (603) 6038 9507

info.webermalaysia@saint-gobain.com www.mys.weber

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## PROCEDURE & APPLICATION



### Sprinkling Application

The sprinkling is conducted in 2 applications in perpendicular direction to achieve uniform coverage. Sprinkle 2/3 of the required quantity for the first broadcast onto freshly laid and floated concrete slab or floor screed surface. Allow sufficient time for E.MIX Floor Hardener to be moistened by the base concrete/floor screed water and turned darker colour tone before power float.



### Floating Application

Broadcast the remaining 1/3 of the dry shake after 30 minutes interval time and power float to achieved the desired finish. Ensure proper curing to achieve optimum performance of floor finish. Curing compound can be used to treat the floor upon completion of E.MIX Floor Hardener application. Other curing method such as polyethylene sheets are also acceptable.

## STORAGE & PACKING

E.MIX Floor Hardener is available in 25 kg bags.  
Shelf life of 12 months if unopened, and kept in dry and cool conditions.

## HEALTH & SAFETY

E.MIX Floor Hardener contains materials, which may produce an allergic effect. Material may irritate eyes and skin. In case of contact with eyes, rinse immediately with plenty of water, and seek medical assistance. After contact with skin, wash immediately with plenty of soap and water. Please keep out of reach of children.

\*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (Jan '23)

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