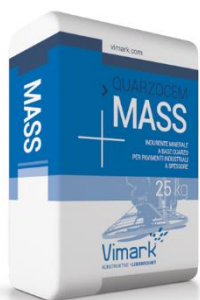




## QUARZOCEM **MASS**

*Fibre reinforced quartz based mineral hardener  
for thick industrial flooring*



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# QUARZOCEM MASS

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## DESCRIPTION

**QUARZOCEM MASS** is a reinforced quartz based mineral hardener specifically designed for protecting and surface finish of thick industrial flooring. Due to its high mechanical and abrasive strength, it is suitable for the realization of new anti-wear layers of degraded industrial internal and external flooring, subject to a heavy and arduous traffic. The product is applied in a paste form to appropriately prepared concrete.

## COMPOSITION

**QUARZOCEM MASS** is a premixed powder product, consisting of special hydraulic binders, pure national quartz selected in appropriate granulometric curve, fibres and specific additives that improve adhesion to substrates and workability.

## MIXING & APPLICATION

**QUARZOCEM MASS** is mixed with water manually or by continuous mixer and applied to freshly laid concrete in paste form before the concrete starts to set, normally after 4-12 hours depending on the weather conditions. Mix the product with approx. 3.5-3.75 litres of clean water per 25 kg in a cement mixer. Pour the correct amount of water, and add the powder product. Mix **QUARZOCEM MASS** for approx. 2-3 minutes until smooth and free of lumps. Apply the product to fresh concrete with a maximum thickness of between 7 to 15 mm. When applying the product to the wear layer mix the mortar with the concrete, by applying mechanical compaction action. Complete industrial flooring by compacting and levelling after a few hours the mineral hardener with a power float but use hand trowels for the edges and corners. Repeat with the power float to finish the industrial flooring in order to obtain a perfect smooth surface. The joints should be cut after 24 to 48 hours of applying flooring using a diamond blade cutter and must be properly sealed.

## TOOL CLEANING

Clean all equipment and tools with water immediately after use. The hardened material can only be removed by physical scraping.

## YIELD / CONSUMPTION

18-20 kg per m<sup>2</sup> per cm of thickness.

## COLOUR

Pearl Grey, Grey, Dark Grey, Anthracite, GM Travertine, Rope, Tobacco, Brown, AL Yellow, Red, Green, Blue AZ.

## PACKAGING

25 kg bags on disposable pallets of 1575 kg (63 bags) protected by plastic stretch wrap.

## EXPIRATION / CONSERVATION

*Grey:* 6 months from the date of production.

*Coloured:* 12 months from the date of production.

Keep the product in its original packaging, intact and protected from moisture and frost.

## WARNINGS:

Do not apply on aged concrete or after the initial setting time. Do not apply at temperatures below +5°C or above +35°C. Do not apply to concrete that contains excessive amounts of bleed water; if necessary uniform the concrete surface by removing any puddles of water. Do not apply externally during rain or frost. Do not apply externally with strong wind, direct sunlight or temperatures above +35°C. During manual application use appropriate personal protection.

## PRODUCT DATA

▪ <i>Appearance</i>	Powder	
▪ <i>Colour</i>	Grey or coloured	
▪ <i>Powder volume mass</i>	~ 1500 kg/m <sup>3</sup>	EN 1015-10
▪ <i>Aggregate strength</i>	> 7 Mohs scale	
▪ <i>Maximum aggregate size</i>	≤ 2,5 mm	

## APPLICATION DATA

▪ <i>Water content of mix</i>	14-15%	
▪ <i>Mixing ratio</i>	1 bag + 3.5-3.75 l of water	
▪ <i>Paste bulk density</i>	~ 2100 kg/m <sup>3</sup>	EN 1015-6
▪ <i>Minimum application temperature</i>	+ 5°C	
▪ <i>Maximum application temperature</i>	+ 35°C	
▪ <i>Minimum thickness</i>	5 mm	
▪ <i>Maximum thickness</i>	15 mm	
▪ <i>Set to light foot traffic:</i>	≥ 12 hours	

## TECHNICAL DATA

▪ <i>28<sup>th</sup>-day compressive strength</i>	≥ 50 N/mm <sup>2</sup> C50	EN 13892-2
▪ <i>28<sup>th</sup>-day flexural strength</i>	≥ 5 N/mm <sup>2</sup> F5	EN 13892-2
▪ <i>Reaction to fire</i>	A1 <sub>f</sub> Class	EN 13501-1





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## ENVIRONMENT, HEALTH, AND SAFETY(REACH)

▪ <i>Böhme abrasive strength</i>	A9 Class	EN 13892-3
▪ <i>Release of corrosive substances</i>	CT	EN 13892-2
▪ <i>Water permeability</i>	NPD	EN 1062-3
▪ <i>Vapour permeability</i>	NPD	EN 12086
▪ <i>Sound insulation</i>	NPD	EN ISO 140-6
▪ <i>Sound adsorption</i>	NPD	EN 12354-6
▪ <i>Thermal resistance</i>	NPD	EN 12524
▪ <i>Chemical resistance</i>	NPD	EN 13529

For further information and advice on the handling, storage and safe disposal of the material, the user must consult the latest version of the Safety Data Sheet (SDS) available on the Internet, at [www.vimark.com](http://www.vimark.com), which contains information on the physical characteristics, ecological and toxicological products, together with other safety information.

Product complies with the provisions of the Regulation (EC) no. 1907/2006 (REACH) and Annex XVII, item 47 and subsequent amendments and additions.

### PRODUCT FOR PROFESSIONAL USE.

## COMPLIANCE

	<b>EN 13813:2002</b> Material for cementitious screeds CT-C50-F5-A9
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### LEGAL NOTES

The data and prescriptions shown in this sheet, based on the best practical and laboratory experience, refer to laboratory tests and are to be considered in any case as indicative. The information and, in particular, the instructions concerning the application and final use of Vimark products are provided in good faith based on the current knowledge and experience of Vimark on the products provided they are properly stored, handled and used under normal conditions and observing Vimark's recommendations. Considering the different conditions of use and external factors that are independent of Vimark (support, environmental conditions, laying technique directions, etc.), those wishing to use them must therefore decide whether or not the product is suitable for use. Our warranty guarantee is therefore limited to the quality and consistency of the same with regard to the finished product, and exclusively for the above reported data. The company Vimark reserves itself the right to make technical changes without prior notice. Users must always refer to the latest version of the local data sheet relating to the product in question, copies of which will be provided upon request. This technical sheet cancels and replaces all previous editions. Any updates are published on the website [www.vimark.com](http://www.vimark.com).



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