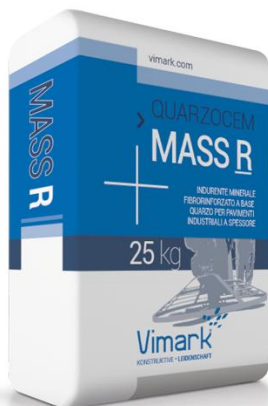




QUARZOCEM MASS R

Fibre reinforced quartz based
mineral hardener
for repairing industrial flooring



konstruktive · leidenschaft



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PRODUCT DESCRIPTION

QUARZOCEM MASS R is a reinforced quartz based mineral hardener specifically designed for repairing, protecting and surface finish of a certain thickness of 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 medium/heavy and arduous traffic. The product is applied in a paste form to appropriately prepared concrete.

COMPOSITION

QUARZOCEM MASS R 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 AND APPLICATION

PREPARATION OF CONCRETE SUBSTRATES

The substrates to repair must be adequately prepared with the help of a concrete scarifier to remove the degraded layer. The preparation phase must eliminate any weak, crumbling or degraded parts or any traces of oil or grease. It is also possible to shot blast the surface. Either way the existing concrete must be healthy, stable, resistant, free of dust, loose or crumbling parts.

On clean and dust free substrates, apply a bonding layer of **PROMOTORE EPOSSIDICO**. Apply the primer to the entire area in need of repair. On the anchoring primer, proceed with the mineral hardener of a certain thickness.

APPLYING WEAR LAYER

Apply **QUARZOCEM MASS R** in paste form to concrete that has been correctly prepared. The product is suitably prepared with a continuous mixer.

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 the product for approx. 2'-3' minutes until smooth and free of lumps.

Apply the product on previously prepared substrates with a thickness ranging from 7 to 15 mm. When applying the wear layer mix the mortar well with the adhesion promoter, by applying mechanical compaction action. Make sure to remove any air bubbles that may form between the two products that could jeopardize the complete final adhesion. Finish the industrial flooring with the power float in order to obtain a perfectly smooth surface.

Add joints within 24 to 48 hours of laying the flooring, using a diamond blade cutter aligned with existing joints in the previous flooring. Seal all joints.

INDICATIVE AMOUNTS REQUIRED

18.0-20.0 kg per m².

COLOUR

Grey.

PACKAGING

25 kg bags on disposable 1575 kg pallet (63 bags) protected by waterproof plastic wrap.

STORAGE

6 months in original intact packaging and stored in a dry place.





RECOMMENDATIONS

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

Appearance	powder	
Colour	grey or coloured	
Powder volume mass	~ 1400 kg/m ³	EN 1015-10
Aggregate strength	> 7 Mohs scale	
Maximum aggregate size	≤ 3,0 mm	

APPLICATION DATA

Water content of mix	14-15%	
Mixing ratio	1 bag + 3.5-3.75 l of water	
Paste bulk density	~ 2000 kg/m ³	EN 1015-6
Minimum application temperature	+ 5°C	
Maximum application temperature	+ 35°C	
Minimum thickness	5 mm	
Maximum thickness	15 mm	
Fit for walking on	≥ 12 hours	

PERFORMANCE DATA

Compressive strength	≥ 50.0 N/mm ² C50	EN 13892-2
Flexural strength	≥ 5.0 N/mm ² F5	EN 13892-2
Reaction to fire	A1 _{fl} Class	EN 13501-1
Böhme abrasive strength	A9 Class	EN 13892-3
Release of corrosive substances	CT	EN 13892-2
Water permeability	NPD	EN 1062-3
Vapour permeability	NPD	EN 12086
Sound insulation	NPD	EN ISO 140-6
Sound adsorption	NPD	EN 12354-6
Thermal resistance	NPD	EN 12524
Chemical resistance	NPD	EN 13529

ACCORDING TO



EN 13813:2002
Material for cementitious screeds
CT-C50-F5-A9

REMARKS

Product for professional use. The data and instructions in this data sheet are based on our best practical and laboratory experience. They refer to laboratory tests and should be considered indicative. In view of the different conditions of use and application, which depend on factors over which Vimark has no control (type of surface, environmental conditions, technical indications for fixing, etc.), those who use the product are responsible for ascertaining whether or not it is suitable for the intended purpose. Thus our warranty obligation merely covers the quality and fade-free characteristics of the actual product, and exclusively in relation to the aforementioned data. Vimark reserves the right to make technical modifications without prior notice. This technical data sheet voids and substitutes all previous editions. Updates will be published on the web site www.vimark.com.

