



QUARZO**C**EM

*Quartz and cement based mineral hardener
for industrial flooring*



Vimark
Strada Spartafino 2
12016 Peveragno (CN) Italy
Ph. +39 0171 383800 | Fax +39 0171 339395
info@vimark.com | Vimark.com



QUARZOCEM

Edition: March 2019 © Vimark

DESCRIPTION

QUARZOCEM is a quartz and cement based mineral hardener designed for protection and surface finish of industrial flooring. Suitable for its high mechanical strength and abrasion resistance for both internal and external industrial flooring subject to a medium / heavy and arduous traffic.

The product is applied by dry shake method on freshly cast, level concrete, distributing the anhydrous product in one or more layers, either manually or by mechanical means.

COMPOSITION

QUARZOCEM is a specially formulated, premixed powder product, consisting of special hydraulic binders, pure national quartz selected in appropriate granulometric curve and inorganic pigments.

APPLICATION

QUARZOCEM is applied to fresh concrete using the dry shake method in one or two stages, either manually or mechanically before the concrete starts to set, normally after 4-12 hours depending on the weather conditions.

MANUAL APPLICATION

For manual application, sprinkle the concrete surface with 1.5 to 2.5 kg/m². When **QUARZOCEM** has absorbed all of the concrete moisture, smooth the surface using a power float but use hand trowels for the edges and corners.

Apply a second coat sprinkling the surface with 1.5 to 2.5 kg/m² and finish the surface compacting and levelling the hardener coating. A second phase with the power float is needed for finishing the industrial floor, in order to obtain a perfect smooth surface.

The joints should be put in from 24 to 48 hours after the installation of the flooring, using a diamond blade cutter and must be properly sealed.

MECHANICAL APPLICATION

For mechanical application, spread the dry shake product evenly in a single layer on the surface with 3 to 5 kg/m². When **QUARZOCEM** has absorbed all of the concrete moisture, smooth the surface using a power float but use hand trowels for the edges and corners. A final phase with the power float is needed for finishing the industrial floor, in order to obtain a perfect smooth surface.

The joints should be put in from 24 to 48 hours after the installation of the 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

3-5 kg per m².

COLOUR

Grey, Dark grey, Anthracite, Red, Tobacco, Brown, 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 ³	EN 1015-10
▪ <i>Aggregate strength</i>	> 7 Mohs scale	
▪ <i>Maximum aggregate size</i>	≤ 2,5 mm	
▪ <i>Min. temperature for application</i>	+ 5°C	
▪ <i>Max. temperature for application</i>	+ 35°C	
▪ <i>Fit for walking on</i>	> 12 hours	
▪ <i>7th-day compressive strength</i>	≥ 50 N/mm ²	

APPLICATION DATA

TECHNICAL DATA



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▪ 28 th -day compressive strength	≥ 60 N/mm ² C60	EN 13892-2
▪ 28 th -day flexural strength	≥ 6 N/mm ² F6	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

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, 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.

	EN 13813:2002 Material for cementitious screeds CT-C60-F6-A9
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**ENVIRONMENT,
HEALTH, AND
SAFETY(REACH)**

COMPLIANCE

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.



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