



# QUARZOCEM RAMPE

Fibre reinforced quartz based  
mineral hardener  
for industrial flooring



konstruktive · **leidenschaft**



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**PRODUCT DESCRIPTION**

**QUARZOCEM RAMPE** is a reinforced quartz based mineral hardener designed for the protection and surface finish of residential or industrial internal or external concrete flooring. Due to its high mechanical strength and abrasion, resistance the product is an ideal wear layer for anti-slip ramps with a fishbone pattern subject to a medium / heavy and arduous traffic.

The special high elasticity grain increases the tensile strength of the product, helping to distribute the tensions due to plastic and hydraulic shrinkage, thermal expansion, structural loads or movements, thus preventing cracking when both fresh and hardened.

**COMPOSITION**

**QUARZOCEM RAMPE** is a premixed powder product, consisting of special hydraulic binders, pure national quartz selected in appropriate granulometric curve, special polyacrylonitrile high elastic modulus fibres and specific additives that improve the workability.

**APPLICATION**

**DRY SHAKE METHOD**

Apply **QUARZOCEM RAMPE** to freshly laid concrete using the dry shake method in one or two stages; it can be applied 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/m<sup>2</sup>. When **QUARZOCEM RAMPE** 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/m<sup>2</sup> and finish the surface compacting and levelling the hardener coating. 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.

**MECHANICAL APPLICATION**

For mechanical application, the dry shake product should be spread evenly in a single layer on the surface with 3 to 5 kg/m<sup>2</sup>. When **QUARZOCEM RAMPE** has absorbed all of the concrete moisture, smooth the surface using 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.

**MIXING AND APPLICATION**

**PASTE METHOD**

**QUARZOCEM RAMPE** 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.

**MIXING AND APPLICATION**

Mix the product with approx. 4.0-4.5 litres of clean water per 25 kg in a cement mixer.





Pour the correct amount of water, and add the powder product. Mix **QUARZOCEM RAMPE** for approx. 2'-3' minutes until smooth and free of lumps.

Apply the product to fresh concrete with a maximum thickness of between 8 to 12 mm. 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.

**ANTI SLIP RAMPS**

Mix the product with approx. 4.0-4.5 litres of clean water per 25 kg in a cement mixer. Pour the correct amount of water, and add the powder product. Mix **QUARZOCEM RAMPE** for approx. 2'-3' minutes until smooth and free of lumps.

Apply the product to fresh concrete with a maximum thickness of between 8 to 12 mm. After a few hours of applying product carry out manually with the help of an aluminum screed bar and appropriate trowel, a smooth finish border and within anti slip grooves alternating the diagonal. The fishbone pattern facilitates the flow of rainwater and increases the adhesion of vehicle tires to the industrial flooring.

*Dry shake method:* 3.0-5.0 kg per m<sup>2</sup>.  
*Paste method:* 10.0-15.0 kg per m<sup>2</sup>.

**INDICATIVE AMOUNTS REQUIRED**

**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     | ~ 1500 kg/m <sup>3</sup> | EN 1015-10 |
| Aggregate strength     | > 7 Mohs scale           |            |
| Maximum aggregate size | ≤ 2,5 mm                 |            |

**APPLICATION DATA**

|                      |                            |
|----------------------|----------------------------|
| Water content of mix | 16-18%                     |
| Mixing ratio         | 1 bag + 4.0-4.5 ℓ of water |





**PERFORMANCE DATA**

|                                 |                              |              |
|---------------------------------|------------------------------|--------------|
| Minimum application temperature | + 5°C                        |              |
| Maximum application temperature | + 35°C                       |              |
| Fit for walking on              | ≥ 24 hours                   |              |
| Fit for traffic                 | ≥ 48 hours                   |              |
| 7th-day compressive strength    | ≥ 20.0 N/mm <sup>2</sup>     |              |
| 28th-day compressive strength   | ≥ 40.0 N/mm <sup>2</sup> C40 | EN 13892-2   |
| 28th-day flexural strength      | ≥ 7.0 N/mm <sup>2</sup> F7   | EN 13892-2   |
| Reaction to fire                | A1 <sub>fl</sub> 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-C40-F7-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](http://www.vimark.com).

