

Product 014CEM00 3-comp. EP advanced resin levelling coat, solvent free

1 General Data

Fields of application

VIACEM^{VM} is designed for use as a levelling compound to improve the evenness of the floor for a better surface finish.

Product description

VIACEM^{VM} is a three-components, resin-based compound with unique rheological properties. It has advanced levelling capabilities which makes it an ideal product for sub-base preparation.

Features & Benefits

Advanced resin system – easy application

Low VOC emission – complies with stringent green environment requirements

Good adhesion to concrete and most building material and other coating or topping systems

Low / no odour – environmentally friendly

Solvent free – non-flammable and non-toxic

Self-levelling – effective for subfloor surface improvement

VIASOL systems

VIACEM^{VM} is a levelling compound for VIASOL systems.

(A) Technical data

Liquid mixture (A+B)

1. Density (25°C)	2.16 g/cm ³
2. Packaging	21 kg (3 kg A + 1 kg B + 17 kg C)
3. Colour	Grey
4. Shelf life	12 months in closed original container
5. storage	Dry and frost-free at 10 –30°C, avoid direct sunlight

(B) Technical data

Cured material

1. Adhesive strength (DIN ISO 4624)	>1.5 N/mm ² (concrete failure)
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Care and maintenance

The lifespan & performance of your system can be extended considerably by adopting a regular cleaning and care programme

Technical support

For system build up possibilities and detailed information related to the installation of VIASOL products, please contact VIACOR Asia Sdn Bhd directly.

tel: +603 5131 7777

e-mail: info@viacor.asia

Manufacturer:

VIACOR Asia Sdn Bhd, No. 5 Jalan Sungai Terap 32/182, Bukit Rimau Industrial Park, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia, tel: +603 5131 7777, fax: +603 5131 7878, mail: info@viacor.asia, www.viacor.asia – A division of VIACOR GmbH Germany

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2 Application method

Substrate preparation

The substrate must be firm, clean, dry and have a pull-off strength of 1.5 N/mm² minimum.

Repair imperfections (holes and cracks) with an epoxy patching compound such as VIASOL EP-T703^{VM} where necessary.

Remove surface laitance, contaminants, coating, curing compound and all weak and loose materials.

Prepare substrate by Captive Shot Blasting or Diamond Grinding to provide the appropriate surface profile for optimum mechanical interlocking.

Primer

Apply VIASOL EP-P285^{VM} for a water vapour permeable system or if necessary, apply EP-P210^{VM} primer twice at a consumption rate of 300 - 400 g/m² each coat (film forming) as blocking primer and sprinkle the second coat with QS.

Allow to cure for a minimum of 8 hours but not longer than 24 hours before the application of VIACEM^{VM}.

Application

Before starting the application, the material temperature must be close to site conditions.

Mix Component A for 2-3 minutes.

Empty contents of Component B (Hardener) into Component A (Base Resin). Mix with a suitable mixer at a speed of 500 rpm to avoid incorporating excessive air into the mix. Mix for 2-3 minutes.

Add Component C gradually to the mixture with the mixer running. Move the mixer around from side to side and top to bottom and scrap the sides of the mixing vessel to ensure thorough mixing, until homogeneous (2 – 3 minutes).

Transfer the mixture into another clean container and mix for 1-2 minute.

Apply VIACEM^{VM} at the consumption rate of 4 – 5 kg/m² minimum using a notched trowel or pin rake. For application using a pin rake, we recommend to smooth over the surface and finish off using hand trowel.

Provide good ventilation to ensure that the relative air humidity does not exceed 85% during application and curing as it will inhibit evaporation of water and affect cure.

(C) Technical data

Liquid mixture

1. Mixing ratio A : B : C	3 : 1 : 17 by weight (kg)
2. Working time	approx. 15 min. (30°C)
3. Application temperature	10 – 30°C (min. 3°C above dew point)
4. Material consumption	4 – 5 kg/m ² (thickness: approx. 1.85 – 2.3 mm)
5. Following coating (25°C)	within 24 hours
6. Cure time to withstand:	
Foot traffic (25°C)	after 6 - 8 hours
Heavy traffic (25°C)	after 3 days
Exposure to water immersion (25°C)	after 7 days

Overcoating

It is mandatory to apply a primer (e.g. VIASOL EP-P285^{VM}) on top of VIACEM^{VM} before applying next layers.

Allow to cure for a minimum of 8 hours but not longer than 24 hours before the application of next layer.

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3 Further information

CE-Mark



CE-Mark according to EN 13813

EN 13813: 2003-01, Screed material and floor screeds - Screed materials - Properties and requirements is the basis for requirements for floor screeds used in indoor flooring constructions. Resin coatings and sealer are also subject to this norm.

Details see CE-conformity mark and conformity declaration.

Warnings and precautions

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Local regulations concerning the safe handling of epoxy resin based coating materials must be observed.

Suitable protective clothing including suitable eye protection must be worn.

Disclaimer

All information in this technical data sheet is based on our current knowledge and experience. This does not release the applicator from performing their own tests as many application factors, beyond our control, affect the application of our product. No guarantee of characteristics or suitability for a special purpose can be derived from this information. All present data, descriptions, drawings, photos, ratios, weights etc. are subject to change without prior notice and do not represent contracted characteristics of the product.

Due to different materials, sub-bases and working conditions, no guarantee of an application result or any liability claims can be derived from these details or from an unwritten technical advice except for liability claims based on:

- damage to life, body or health resulting from a negligent violation of obligations or a deliberate or negligent violation of obligation of a legal representative or assistant and
- if we are charged with intention or gross negligence.

The user has to test the products for their intended use. The user is responsible for following existing laws and orders and for observing third party trade mark rights.

As all VIACOR data sheets are updated on a regular basis it is the users responsibility to obtain the most recent issue (see www.viacor.asia).

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