

Product 01463000 2-comp. EP coating, high chemical resistance, solvent-free, colored

1 General Data

Fields of application

VIASOL EP-S630^{VM} is suitable for use for protection of concrete surface against abrasion and chemicals in areas subject to foot and light vehicular traffic such as walkways, workshops, production facilities, warehouses, car park decks, garages and plant rooms.

Product description

VIASOL EP-S630^{VM} is a colored, solvent free, two-component epoxy coating. It has a very good resistance to petroleum oils, solvents, acids & alkalis and many other chemicals and shows good wear and slip resistance.

In general, epoxy coatings are not colour stable if exposed to UV light or under influence of weathering.

Features & Benefits

Durable – 99% solids provide a 500 microns dried film thickness (two coat application)

High gloss finish – aesthetically pleasing, easy to maintain

Solvent free – non-flammable

High chemical resistance – to petroleum oils, solvents, acids & alkalis and many other chemicals

Wear resistant – hard wearing even in harsh and punishing environment

Slip resistant – can provide R11 to R13 rating with quartz aggregates

Low / no odour – does not taint food

Aesthetic flexibility – available in a variety of colours

VIASOL systems

VIASOL EP-S630^{VM} is used as a chemical resistant top coat for the following VIASOL systems:

VIASOL **PROTECTIVE**

Care and maintenance

The lifespan and performance of your resin floor can be extended considerably by adopting a regular cleaning and care programme. We recommend the use of an alkaline based cleaning agent.

(A) Technical data

Liquid mixture (A+B)

1. Solids content	99 %
2. Density (25°C)	1.46 g/cm ³
3. Viscosity (28°C)	2000–4000 mPas
4. Packaging size	20 kg (16 kg A + 4 kg B)
5. Colors	VIASOL standard
6. Shelf life	12 months in closed original container
7. storage	Dry 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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Technical support

For system build up possibilities and detailed information relating to the laying of VIASOL products, please refer to the VIASOL System Planner or contact VIACOR Asia Sdn Bhd directly.

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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 Polymer GmbH Germany

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2 Application method

Substrate preparation

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

Wet areas shall be dried with a blow torch. The moisture content in the substrate must not exceed 4 CM %.

New concrete must be allowed to cure for a minimum of 28 days.

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 keying.

If VIASOL EP-S630^{VM} is used as a top coat over an existing EP underlay / topping, it can be applied directly on the existing surface if the underlay / topping is newly laid (within 12 – 24 hrs) otherwise a light grinding is necessary.

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.

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

To cover vertical surfaces, add 1 to 3 % of VIASOL X955^{VM} (thixotropic agent) and mix for 1 minute or until homogeneous.

Spread the mixed product onto the surface with a squeegee and back roll with a short nap roller.

For cleaning of tools and other contaminations use VIASOL SO-X10 cleaner.

Over-coating

The second coat can be applied within 24 hours without grinding. If longer, the surface has to be grinded before over-coating.

(C) Technical data

Liquid mixture (A+B)

1. Mixing ratio A : B	4 : 1 by weight (kg) 100 : 25
2. Working time (25°C)	approx. 20-25 minutes
3. Application temperature:	10 – 30°C (min. 3° above dew point)
4. Material consumption	250 – 300 g/m ²
5. Overcoating (25°C)	within 24hours
6. Cure time to withstand:	
Foot traffic (25 °C)	after 18 - 24 hours
Heavy Traffic (25°C)	after 3 days
Exposure to chemicals (25°C)	after 7days

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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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