Product 01360040 2-comp.-EP base coat for conductive VIASOL***DESIGN QCV***, low emission

1 General data

Fields of application

VIASOL EP-Q3600 AS is used as base coat for conductive VIASOL ***DESIGN*** industrial floorings made with coloured quartz sand. The VIASOL***DESIGN*** floorings are characterized by their exceptional appearance and design properties.
Applications include all areas where conductive flooring are necessary, e. g. public buildings, production halls, hospitals, micro-electronics or automotive industries, laboratories.

Product description

VIASOL EP-Q3600 AS is a slightly coloured, ready to use, low emission 2-component epoxy base coat. The colour of the product has to match the colour of the quartz sand. The construction product is tested according to the DIBt emission principles and meet the AgBB requirements.

In general, epoxy resins are not colour stable if exposed to UV light or under influence of weathering. We recommend to apply a colour stable sealer.

VIASOL Systems

VIASOL EP-Q3600 AS is the base coat in the VIASOL Systems:

VIASOL***DESIGN QCV conductive***

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 Polymer GmbH directly.
Phone:+49 (0)7472-949990
E-Mail: info@viacor.de

(A) Technical data		
Mixture (A+B)		
1.	Solids content	> 99 %
2.	Density (20°C)	1.1 g/cm^3
3.	Viscosity (20°C)	400 – 800 mPas
4.	Pack size (2-Component pack) Drum (only B)	28.6 kg (20 kg A + 8.6 kg B) 190 kg B
5.	Colour	White, light grey, dark grey, blue, green, red
6.	Shelf-life (20 °C)	12 months in originally closed container
7.	Storage	Dry and frost free at 10 – 25°C, avoid exposure to direct sunlight

(B) Technical data		
Cured material		
1.	Pull off strength (DIN EN ISO 4624)	> 1.5 N/mm^2
2.	Shore-D-Hardness (DIN EN ISO 868)	74
3.	Conductive (DIN EN 1081) (DIN EN 61340-4-1)	 ≤ 10^8 Ω ≤ 10^9 Ω

Manufacturer:
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2 Application method

For detailed information concerning the application of VIASOL***DESIGN*** products please refer to the VIASOL***DESIGN*** application guide.

Substrate preparation

VIASOL EP-Q3600 AS is applied directly onto a levelling layer made from VIASOL EP-N1300 /S and a conductive layer VIASOL EP-E1400. The levelling or conductive layer must be clean and free of any substances which may impair adhesion.
See VIASOL***DESIGN*** application guide.

Application

The Part A should be stirred for min. 1 – 2 minutes after which the entire contents of the Part B are added before mixing for min. 2 – 3 minutes with a suitable electrically driven stirrer. The stirrer should be kept submerged in the liquid to avoid the mixing in of air. The mixture should then be emptied into a clean container and mixed for a further minute. We recommend the application by equal batch numbers. The product is filled with VIASOL QNV quartz sand. For partial mixtures, component A must be stirred well before the partial withdrawal.

VIASOL EP-Q3600 AS is poured in portions onto the surface and spread with a spatula, flatting knife or trowel. Trowel lines and the formation of puddles must be avoided. After waiting for 10 – 15 minutes, the whole area is sprinkled with VIASOL QCV-E coloured quartz sand.
See VIASOL***DESIGN*** application guide.

Use VIASOL SO-X10 to clean tools and contaminated areas.

Note for conductive systems:
To check the conductivity values are the assessment report "Conductive coatings for industrial floors" of the German Construction Chemicals Association recommended.
Note: Prior to application of the conductive coating VIASOL EP-C3600 AS the conductive layer VIASOL EP-E1480 or E1400 must be measured.

Area coating system	Number of measurments
< 10 m²	1 measurement / m²
10 – 100 m²	10 – 20 measurements
> 100 m²	10 measurements / 100 m²

Distance between the measurement points at least 50 cm. If the required measurement value is not reached, further measurements must be carried out within a radius of 50 cm.

(C) Technical data		
Mixture (A+B)		
1.	Mixing ratio A : B	100 : 43 by weight
2.	Working time (20 °C)	approx. 20 – 25 minutes
3.	Application temperature	10 – 30 °C (min. 3 K above the dew point)
4.	Consumption (per coat)	approx. 600 g/m²
5.	Foot traffic (20°C)	after approx. 12 – 15 h
6.	Full cure (20°C) mechanical stress chemical stress	 7 d 28 d

Overcoating

See VIASOL***DESIGN*** application guide.

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3 Further information

CE-Mark

CE-Mark according to DIN EN 13813
EN 13813 “Screed material and floor screeds – properties and requirements” specifies requirements for screed material for use in floor construction internally. Resin flooring and sealer coats are also covered by this standard. For details see CE mark and Declaration of Conformity

Decopaint-Guidelines (EU 2004/42/EG)

The maximum allowable VOC content for Product Category IIA j Type Lb products (in the ready to use state) is:

Stage II (from 2010) < 500 g/l VOC

In the ready to use state, this product contains less than 500 g/l VOC.

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 characeristics 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 characteritics of the product.
Due to different materials, sub-bases and working conditions, no guaratee 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 vialation 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.de or contact us directly).

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