

VIASOL *DESIGN QCV* *conductive*

Decorative, conductive and slip resistant epoxy coating system with good mechanical and chemical properties and a wide colour spectrum.

Application fields

Food and beverage industry

Pharmaceutical industry

laboratories

Engineering industry

Electronic industry

Chemical industry

Public buildings

Automotive

System build-up

VIASOL PU-S667 N

SEALER



VIASOL EP-Q3600 AS

WEAR COAT (CONDUCTIVE)



VIASOL EP-E1480 N

CONDUCTIVE LAYER



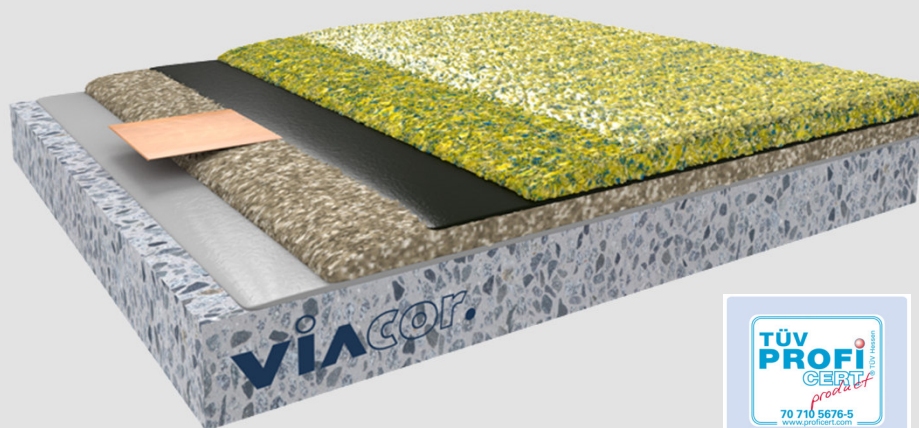
VIASOL EP-N1300

LEVELLING LAYER



VIASOL EP-T703

PRIMER



System highlights

2,5 - 5,0 mm System thickness



Low-emission in accordance with the criteria of the Committee for the Health Assessment of Building Products (AgBB)



High abrasion resistance



With PU sealer very good resistance to discoloration caused by food and plasticisers



Conductive accord. EN 1081 and E 61340-5-1

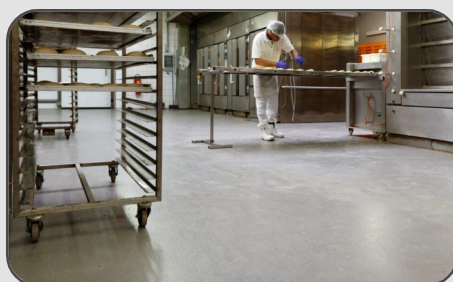
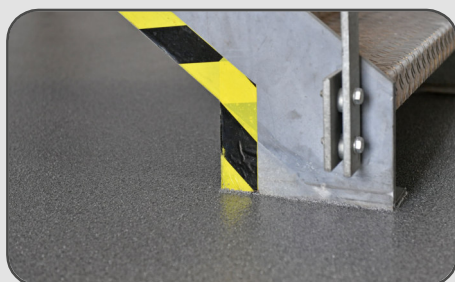


Suitable for fork lift trucks and



Slightly to strong anti-skid surface 10-R12

System pictures



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Application and Consumption

Layer	Product	Consumption (kg/m ²)	Sand broadcasting (kg/m ²)	Thickness (mm)	Application
Sealer (UV stable)	VIASOL PU-S667 N	0.4 – 0.9	-	0.3 – 0.8	Rubber squeegee or trowel
Alternative: Sealer (UV stable, fast-curing)	VIASOL PU-S691	0.4 – 0.7		0.3 – 0.6	
Alternative: Sealer	VIASOL EP-S5400				
Decorative wear coat, conductive	VIASOL EP-Q3600 AS	ca. 0,6 + QS Mix	QCV-E in excess ca. 4.0	1.5 – 2.0	smoothing trowel (optional grinding)
Conductive layer with copper tapes	VIASOL EP-E1480 N	ca. 0.18 + 10% Water (optional)	-	0.09 – 0.12	rubber squeegee and roller
Levelling layer	VIASOL EP-N1300	0.36 – 1.7 + QS Mix	QNV1/QNV2 in excess ca. 1.5 – 3.5	0.5 – 4.0	notched trowel (grinding)
Optional: Primer	VIASOL EP-T703 oder VIASOL EP-P203	ca. 0.4	Optional: QNV2 ca. 0.5	ca. 0.3	roller or rubber squeegee
Substrate	Cementitious substrates according to the appropriate standards and approvals must be capable of bearing loads and be free of cracks and voids. Pull-off strength ≥ 1.5 N/mm ² , residual moisture content < 4 %-CM, with higher residual moisture and on substrates with moisture from the backside special measures must be taken or a damp proof membrane must be installed. Substrate preparation e.g. grinding or shot blasting, sweeping and vacuum-cleaning is mandatory. Consumptions are calculated with VIASOL quartz sands and fillers. Usage of other quartz sands and fillers can cause changes of consumption and technical data.				
Note	Detailed application instructions are available upon request or refer to the technical product data sheet				

Technical data

Property	Standard	Result
Flexural strength	EN 196 / ASTM C190	ca. 40 N/mm ²
Compressive strength	EN 196 / ASTM C190	ca. 78 N/mm ²
Adhesive strength	DIN ISO 4624	>1.5 N/mm ²
Shore-Hardness	DIN ISO 868	80 D after 28 d
Water absorption coefficient	EN 1062-3	<0.01 kg/(m ² x h ^{0.5})
Conductivity	EN 1081 EN 61340-4-1	R _g ≤ 10 ⁶ Ω R _g ≤ 10 ⁹ Ω
Impact strength	DIN EN 13813	≥ 4 Nm (IR4)
Wear resistance (Taber)	ISO 9352, ASTM D 1044	≤ 395 mg/1000 (H22) ≤ 63.7 mg/1000 (CS17)
Chemical resistant	DiBT Test liquids	Nr. 1, 3, 10, 11
Anti-skid properties	BGR 181 / DIN 51130	Class R10 / R11 / R12
Fire classification	DIN EN 13501-1	B _{f1} -s1

Remark: For further information, please refer to the product data sheets or contact our technical service. All data are approximate values. Therefore, no liability claims can be derived from the system data sheet. 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) – all technical information is subject to change without prior notice.

Manufacturer:

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