



# VIASOL DESIGN QCV *conductive*

Decorative, low emission, 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**

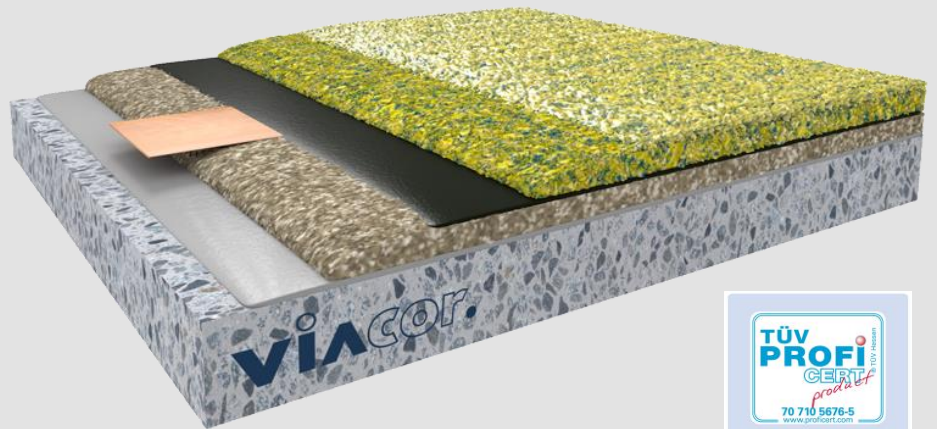
SEALER
- VIASOL EP-Q3600 AS**

WEAR COAT (CONDUCTIVE)
- VIASOL EP-E1480**

CONDUCTIVE LAYER
- VIASOL EP-N1300**

LEVELLING LAYER
- VIASOL EP-T703**

PRIMER

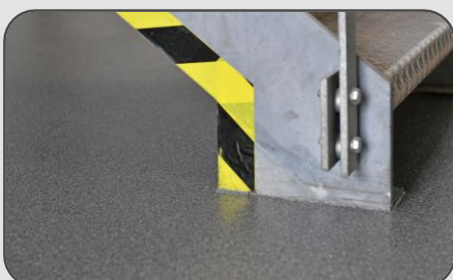


## System highlights

2,5 - 5,0 mm System thickness

- Low emission accord. to AgBB requirements and other European standards**
- High abrasion resistance**
- With PU sealer very good resistance to discoloration caused by food and plasticisers**
- Conductive accord. EN 1081 and EN 61340-5-1**
- Suitable for fork lift trucks and hand lifts**
- Slightly to strong anti-skid surface R10-R12**

## System pictures





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## Application and Consumption

Layer	Product	Consumption (kg/m <sup>2</sup> )	Sand broadcasting (kg/m <sup>2</sup> )	Thickness (mm)	Application
Sealer, only 1 layer	VIASOL PU-S667 N	0,4 – 0,9	-	0,3 – 0,8	hard or soft rubber squeegee or trowel
(Alternative) Sealer, 1-2 layers	VIASOL UREA S6400 or PU-S691	0,4 – 0,7	-	0,3 – 0,6	hard rubber squeegee, trowel
Decorative wear coat, conductive	VIASOL EP-Q3600 AS	ca. 0,6 + QS	QCV-E in excess ca. 4,0	1,5 – 2,0	smoothing trowel (optional grinding)
Conductive layer with copper tapes	VIASOL EPE1480	ca. 0,18	none	0,09 – 0,12	rubber squeegee and roller
Levelling layer	VIASOL EPN1300	0,36 – 1,7 + QS	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	QNV2 optional 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 $\geq 1.5 \text{ N/mm}^2$ , residual moisture content $< 4 \% \text{-CM}$ , 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. (1) Not suitable for permanent wet areas.				

## Technical data

Property	Standard	Result
Flexural strength	EN 196 / ASTM C190	ca. 40 N/mm <sup>2</sup>
Compressive strength	EN 196 / ASTM C190	ca. 78 N/mm <sup>2</sup>
Adhesive strength	DIN ISO 4624	$> 1,5 \text{ N/mm}^2$
Shore-Hardness	DIN ISO 868	80 D after 28 d
Water absorption coefficient	EN 1062-3	$< 0,01 \text{ kg}/(\text{m}^2 \times \text{h}^{0,5})$
Conductivity	EN 1081 EN 61340-4-1	$R_g \leq 10^6 \Omega$ $R_g \leq 10^9 \Omega$
Impact strength	DIN EN 13813	$\geq 4 \text{ Nm (IR4)}$
Wear resistance (Taber)	ISO 9352, ASTM D 1044	$\leq 395 \text{ mg}/1000 \text{ (H22)}$ $\leq 63,7 \text{ mg}/1000 \text{ (CS17)}$
Chemical resistant	DiBT Test liquids	Nr. 1, 3, 10, 11
Anti-skid properties	BGR 181 / DIN 51130	Class R10 / R11 / R12
Fire behaviour class (system)	DIN EN 13501-1	B <sub>fl</sub> -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](http://www.viacor.de) or contact us directly) – all technical information is subject to change without prior notice.

### Manufacturer: