

## 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.

### SYSTEM BUILD-UP

Transparent dissipative floor emulsion (optional)

Transparent finish 1F – 2F

VIASOL PU-S691, PU-S667N oder UREA-S6400



Wear coat conductive  
VIASOL EP-Q3600 AS with VIASOL QCV-E



Conductive layer with copper tape  
VIASOL EP-E480 / EP-E1480



Levelling layer N1 - N4  
VIASOL EP-N1300 /S (2)



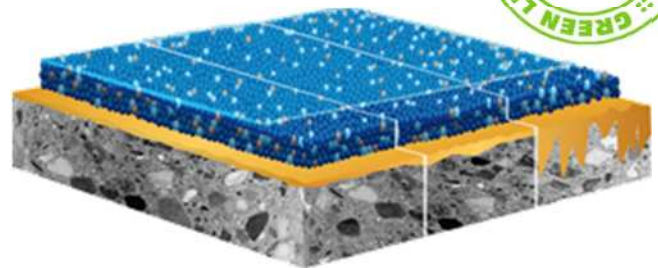
Primer for cementitious substrates:  
VIASOL EP-T703 / EP-P203 or other



Substrate: concrete, cementitious screed and others

### SYSTEM THICKNESS

2.5 – 5.0 mm



### SYSTEM HIGHLIGHTS

- Conductive accord. EN 1081, EN 61340-4-1
- Low emission accord. to AgBB requirements and other European standards
- TÜV-ProfiCert certified
- Certified slip resistance and fire resistance classes

### APPLICATION FIELDS

- Food and beverage industry
- Pharmaceutical industry, laboratories
- Chemical industry
- Electronic industry
- Engineering industry
- Public buildings



### SYSTEM BENEFITS

- Excellent appearance
- Low emission tested accord. to AgBB and other European standards
- Conductive EN 1081 and EN 61340-4-1
- Seam less and joint less
- Joint less connection to walls and skirting
- High abrasion resistance, suitable for fork lift trucks and hand lifts
- Good chemical resistance
- Slightly to strong anti-skid surface
- Hygienic, no pores, impermeable to liquids
- Easy to clean and maintain
- Available in many colours
- With PU finish very high color and UV-stability and high resistance against discoloration from food and beverages
- Fire resistance class B<sub>fl</sub>-s1

#### Manufacturer:

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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
(Optional) Dissipative floor emulsion (1)	e.g. TASKI Jontec ESD	30 – 40 ml/m <sup>2</sup>	-	0.02 – 0.03	microfiber wiper
1 – 2 finish layers	VIASOL UREA-S6400 or PU-S691	0.4 – 0.7	-	0.3 – 0.6	hard rubber squeegee, trowel
Alternative 1 finish layer just in 1 layer possible	VIASOL PU-S667N	0.4 – 0.9	-	0.3 – 0.8	hard or soft rubber squeegee or trowel
Decorative wear coat, conductive	VIASOL EP-Q3600 AS	appr. 0.6 + QS	QCV-E in excess approx 4.0	1.5 – 2.0	smoothing trowel (optional grinding)
Conductive layer with copper tapes	VIASOL EP-E1480 / VIASOL EP-E1400	appr. 0.18	none	0.09 – 0.12	rubber squeegee and roller
Levelling layer	VIASOL EP-N1300 / VIASOL EP-N300 S (2)	0.36 – 1.7 + QS	QNV1/QNV2 in excess approx 1.5 – 3.5	0.5 – 4.0	notched trowel (grinding)
Primer (optional)	VIASOL EP-T703 or EP-P203	ca. 0.4	QNV2 optional approx 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 $\geq 1.5$ N/mm <sup>2</sup> , 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. (1) Not suitable for permanent wet areas. (2) Version with VIASOL EP-N300 S not content of low emission approval (AgBB)				

### TECHNICAL DATA

Property	standard	result
Flexural strength	EN 196 / ASTM C190	Approx. 40 N/mm <sup>2</sup>
Compressive strength	EN 196 / ASTM C190	approx. 78 N/mm <sup>2</sup>
Adhesive strength	DIN ISO 4624	$> 1.5$ N/mm <sup>2</sup>
Shore-Hardness	DIN ISO 868	80 D after 28 d
Water absorption coefficient	EN 1062-3	$< 0,01$ kg/(m <sup>2</sup> x h <sup>0,5</sup> )
Conductivity	EN 1081 EN 61340-4-1	R <sub>g</sub> $\leq 10^6$ $\Omega$ R <sub>g</sub> $\leq 10^9$ $\Omega$
Impact strength	DIN EN 13813	$\geq 4$ Nm (IR4)
Wear resistance (Taber)	ISO 9352, ASTM D 1044	$\leq 395$ mg/1000 (H22) $\leq 63.7$ mg/1000 (CS17)
Chemical resistant	DiBT test liquids	No. 1, 3, 10, 11
Anti-skid properties	BGR 181 / DIN 51131	class R10 / R11 / R12
Fire behaviour class (system)	DIN EN 13501-1	B <sub>f</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: