






VIASOL *DESIGN QNV*

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

SYSTEM BUILD-UP

-  Transparent finish 1F – 2F
VIASOL PU-S691, PU-S667N or UREA-S6400
-  Wear coat coloured
VIASOL EP-Q3610, sanded with design quartz sand QNV-D
-  Levelling layer N1 – N3
VIASOL EP-N1300
-  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

- Many colours available
- Low emission accord. to AgBB requirements and other European standards
- TÜV-PROFICERT certified
- With PU finish very good resistance against stains from food and beverages
- Certified slip resistance and fire resistance classes

APPLICATION FIELDS

- Food and beverage industry
- Wineries
- Pharmaceutical industry, laboratories
- Chemical industry
- Engineering industry
- Public buildings, e.g. foyers and entrance halls



SYSTEM BENEFITS

- Excellent appearance
- Low emission accord. to AgBB requirements and other standards
- Wear coat monolithic solid-colored
- 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 colors
- With PU finish good color and UV-stability and high resistance against discoloration from food and beverages
- Fire resistance class B_{fl}-s1

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APPLICATION AND CONSUMPTION

layer	product	consumption (kg/m ²)	sand broadcasting (kg/m ²)	thickness mm	application
1 – 2 finish layers	VIASOL UREA-S6400 or PU-S691	0.4 – 0.7	none	0.3 – 0.6	hard rubber squeegee, trowel
Alternative just in 1 finish layer	VIASOL PU-S667N	0.4 – 0.9	none	0.3 – 0.8	hard or soft rubber squeegee or trowel
Decorative wear coat	VIASOL EP-Q3610	approx. 0.6 + QS	QNV-D in excess approx. 4.0	1.5 – 2.0	smoothing trowel (optional grinding)
Levelling layer	VIASOL EP-N1300	0.36 – 0.8 + 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 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	Approx. 40 N/mm ²
Compressive strength	EN 196 / ASTM C190	approx. 78 N/mm ²
Adhesive strength	DIN ISO 4624	>1.5 N/mm ²
Shore-Hardness	DIN EN ISO 868	80 D after 28 d
Water absorption coefficient	EN 1062-3	<0,01 kg/(m ² x h ^{0,5})
Heat resistance hot water		max. 80°C short time spillages max. 60°C permanent
Impact strength	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	No. 1, 3, 10, 11
Anti-skid properties	BGR 181 / DIN 51130	class R10 / R11 / R12
Fire behaviour class (system)	DIN EN 13501-1	B _{fl} -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: