

VIASOL DESIGN QNV



Decorative, low emission 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
- Wineries
- Chemical industry
- Public buildings

System build-up

- VIASOL PU-S667 N**
 SEALER
 
- VIASOL EP-Q3610**
 broadcasted with QNV-D
 WEAR COAT
 
- 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 standards



High abrasion resistance



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



Seamless and jointless, many color variations

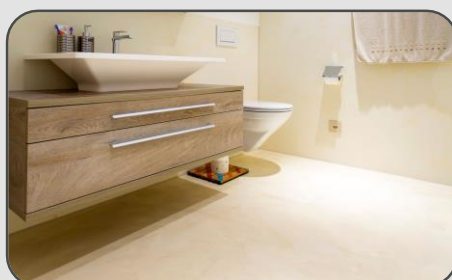


Suitable for fork lift trucks and hand lifts



Slightly to strong anti-skid surface R10-R12

System pictures





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Application and Consumption

Layer	Product	Consumption (kg/m ²)	Sand broadcasting (kg/m ²)	Thickness (mm)	Application
Sealer (UV stable, 1 layer)	VIASOL PU-S667 N	0.4 – 0.9	-	0.3 – 0.8	Rubber squeegee or trowel
Alternative: Sealer (UV stable, 1-2 layers, fast-curing)	VIASOL PU-S691	0.4 – 0.7		0.3 – 0.6	
Alternative: Sealer (1-2 layers)	VIASOL EP-S5400				
Decorative broadcasting layer	VIASOL EP-Q3610	ca. 0.6 + QS Mix	QNV-D in excess ca. 4.0	1.5 – 2.0	smoothing trowel (optional grinding)
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 EPT-703 oder VIASOL EPP-203	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 $\geq 1.5 \text{ N/mm}^2$, 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.				

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	$> 1.5 \text{ N/mm}^2$
Shore-Hardness	DIN ISO 868	80 D after 28 d
Water absorption coefficient	EN 1062-3	$< 0.01 \text{ kg/(m}^2 \times \text{h}^{0.5})$
Heat resistance hot water		Max. 80°C short time spillages Max 60°C permanent
Impact strength	DIN EN 13813	$\geq 4 \text{ Nm (IR4)}$
Wear resistance (Taber)	ISO 9352, ASTM D 1044	$\leq 395 \text{ mg/1000 (H22)}$ $\leq 63.7 \text{ mg/1000 (CS17)}$
Chemical resistant	DiBT Test liquids	Nr. 1, 3, 10, 11
Anti-skid properties	BGR 181 / DIN 51130	Class R10 / R11 / R12
Fire 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: