





VIASOL **COMPACT**

Heavy duty industrial flooring system based on high strength epoxy screed for protection of concrete floor surface withstand harsh and aggressive service conditions such as very heavy mechanical abuses and chemical attacks, low emission

SYSTEM **BUILD-UP**

-  Transparent pore sealer: (if necessary)
VIASOL UREA-S6400
-  Synthetic resin screed:
VIASOL EP-T1709
-  Primer for cementitious substrates:
VIASOL EP-T1709 or VIASOL EP-T703
-  Substrate: concrete, cementitious screed and others

SYSTEM **THICKNESS**

5.0 – 9.0 mm



SYSTEM **HIGHLIGHTS**

- Many colour variations if coloured quartz is used
- Extremely high wear and impact resistance
- Liquid tight surface in one layer application
- Low emission accord. AgBB guidelines and accord. other European standards
- TÜV-ProfiCert certified

APPLICATION **FIELDS**

- Food and beverage industry
- Military areas with high mechanical load
- Pharmaceutical industry
- Paper industry
- Engineering industry
- High-bay warehouses



SYSTEM **BENEFITS**

- Excellent appearance with coloured quartz
- Seamless and jointless except dilatation joints
- Extremely high mechanical load and impact resistance
- High abrasion resistance, suitable for fork lift trucks, trucks and tracked vehicles
- Good chemical resistance
- Slightly to strong anti-skid surface
- Liquid tight surfaces possible with VIASOL QS35 or QS40
- Good thermal resistance e.g. hot water
- Low emission certified accord. AgBB and accord. Other European standards

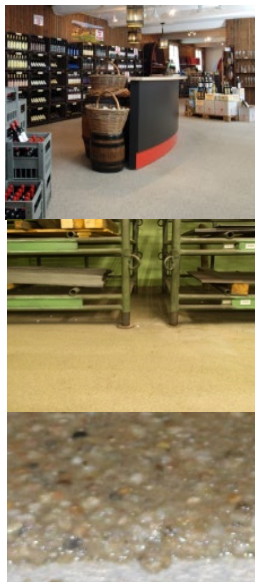
Manufacturer:

VIASOL COMPACT

APPLICATION AND CONSUMPTION

layer	product	consumption (kg/m ²)	sand broadcasting (kg/m ²)	thickness mm	application
(Optional) Seal coat, matt transparent	VIASOL PU-S6005	0.10 – 0.12	none	0.08 – 0.10	microfiber roller
(optional) Pore sealer 1 – 3 layers	VIASOL UREA-S6400 additional thixotropic agent VIASOL X955	0.05 – 0.2 + 0,5 %	none	0.1 – 0.15	hard rubber squeegee, trowel
Synthetic resin screed (epoxy screed)	VIASOL EP-T1709 + VIASOL QS40 / QS35	appr. 2.0 kg/mm mortar with 8 – 14 % binder	none	4.5 – 9.0	Trowel, smoothing trowel (power plate)
Primer	VIASOL EP-T1709 or EP-T703 or other	ca. 0.4	approx. 0.5	ca. 0.2	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 mortar (QS40)	EN 196 / ASTM C190	Approx. 25 - 30 N/mm ²
Compressive strength	EN 196 / ASTM C190	approx. 65 - 80 N/mm ²
Adhesive strength	EN ISO 4624	$> 1.5 \text{ N/mm}^2$
Shore-Hardness	EN ISO 868	D 80 after 28 d
Water absorption coefficient	EN 1062-3	$< 0,01 \text{ kg}/(\text{m}^2 \times \text{h}^{0.5})$
Heat resistance hot water		max. 80°C short time spillages max. 60°C permanent
Impact strength	EN 13813	$\geq 4 \text{ Nm}$ (IR4)
Wear resistance (Böhme)	DIN 51963	appr. 6.1 cm ³ / 50 cm ²
Chemical resistant	DiBT test liquids	No. 1, 3, 10, 11
Anti-skid properties	BGR 181 / DIN 51130	class R10

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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