


## VIASOL system data sheet


### 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


#### SYSTEM **BUILD-UP**

Optional: Transparent matt seal coat  
VIASOL PU-S6005

 Transparent pore sealer: (if necessary)  
VIASOL EP-T712 or EP-T703

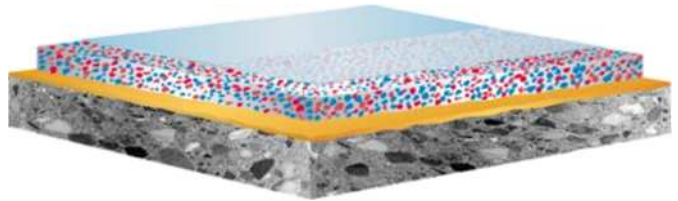
 Synthetic resin screed:  
VIASOL EP-T703, EP-708N or EP-T712

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

 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

#### 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

#### Manufacturer:

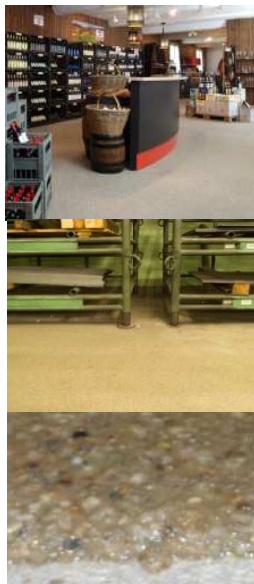
## VIASOL system data sheet

### VIASOL COMPACT

#### APPLICATION AND CONSUMPTION

layer	Product	consumption (kg/m <sup>2</sup> )	sand broadcasting (kg/m <sup>2</sup> )	thickness mm	application
(Optional) Seal coat, matt transparent	VIASOL PU-S6005	0.09 – 0.10	none	0.08 – 0.10	microfiber roller
Pore sealer 1 – 3 layers	VIASOL EP-T712	0.05 – 0.2	none	0.1 – 0.15	hard rubber squeegee, trowel
Synthetic resin screed (epoxy screed)	VIASOL EP-T703 or VIASOL EP-T712 + VIASOL QS40 / QS35	appr. 2.0 kg/mm mortar with 8 – 14 % binder	none	4.5 – 9.0	Trowel, smoothing trowel (power plate)
Alternative (epoxy screed, flowable)	VIASOL EP-T708N + VIASOL QS40 / QS35	appr. 2.0 kg/mm mortar with 12 – 14 % binder	none	4.5 – 9.0	Trowel, smoothing trowel, power plate
Primer	VIASOL EP-P203 / 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. 18 - 24 N/mm <sup>2</sup>
Compressive strength	EN 196 / ASTM C190	approx. 65 - 89 N/mm <sup>2</sup>
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	$< 0,01 \text{ kg/(m}^2 \times \text{h}^{0,5})$
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 <sup>3</sup> / 50 cm <sup>2</sup>
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](http://www.viacor.de) or contact us directly)– all technical information is subject to change without prior notice

#### Manufacturer:

VIACOR Polymer GmbH, Graf-Bentzel-Str.78, D-72108 Rottenburg,  
Page 2/2

Tel: +49/7472-94999-0, [info@viacor.de](mailto:info@viacor.de), [www.viacor.de](http://www.viacor.de)  
issue: 04-2018