SYSTEM DATA SHEET

VIASOL *COMPACT* color

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

Application Fields

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

System Build-up

VIASOL UREA S6400
PORE SEALER

VIASOL EP-T1709 P
SYNTHETIC RESIN SCREED

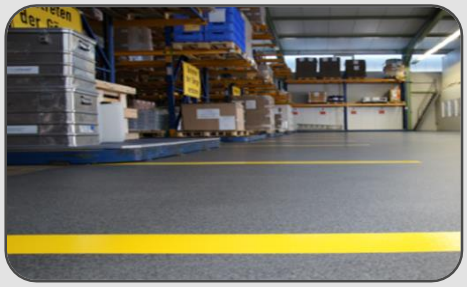
VIASOL EP-T703
PRIMER

System Benefits

5.0 – 9.0 mm System thickness

- High abrasion resistance
- Liquid tight surfaces possible with VIASOL QS 35 or QS40
- Good chemical resistance
- Extremely high mechanical load and impact resistance
- Diverse colouring
- Suitable for fork lift trucks, trucks and tracked vehicles
- Low emission certified accord. AgBB and accord. other European standards
- Good thermal resistance
- Light and medium anti-skid surface

System Pictures



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Application and Consumption

layer	Product	Consumption (kg/m²)	Thickness (mm)	Application
(Optional) Seal coat matt transparent	VIASOL PU-S6005	0.10 – 0.12	0.09 – 0.10	microfiber roller
(Optional) Pore sealer 1 – 3 layers w/ thixotropic agent	VIASOL UREA-S6400 + 0.5 % VIASOL X955	0.05 – 0.2	0.1 – 0.15	hard rubber squeegee, trowel
Synthetic resin screed (epoxy screed, flowable)	VIASOL EP-T1709 P + VIASOL QS40 / QS35	ca. 2.0 kg/mm Mortar with 11 – 14 % binder	4.5 – 9.0	Trowel, smoothing trowel, power plate
Primer	VIASOL EP-P203, EP-T703 or other	ca. 0.4	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 ≥ 1.5 N/mm², 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 mortar (QS40)	EN 196 / ASTM C190	Ca 18 - 24 N/mm²
Compressive strength (QS40)	EN 196 / ASTM C190	Ca 65 - 89 N/mm²
Adhesive strength	EN ISO 4624	> 1.5 N/mm²
Shore-Hardness	DIN ISO 868	80 D after 28 d
Water absorption coefficient	EN 1062-3	< 0,01 kg/(m² x h0,5)
Heat resistance hot wate		max. 80°C short time spillages max. 60°C Permanent
Impact strength	DIN EN 13813	≥ 4 Nm (IR4)
Wear resistance (Böhme)	DIN 51963	ca. 6.1 cm³ / 50 cm²
Chemical resistant	DiBT test liquids	Nr 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