



VIASOL COMPACT

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

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**
 SYNTHETIC RESIN
 SCREED
- VIASOL EP-T703**
 PRIMER

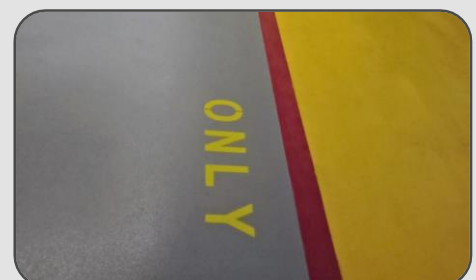
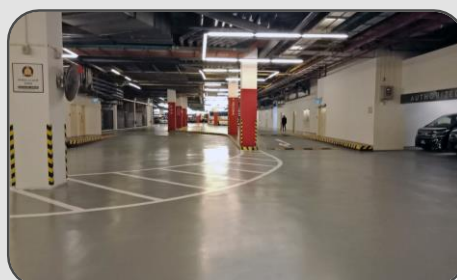


System Highlights

5.0 - 9.0 mm System thickness

- High abrasion resistance**
- Liquid tight surfaces possible with VIASOL QS35 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 other European standards**
- Good thermal resistance e.g. hot water**
- Light to medium anti-skid surface**

System Pictures



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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 | - | 0.08 – 0.10 | microfiber roller |
| (optional) Pore sealer 1 – 3 layers w/ thixotropic agent | VIASOL UREA S6400 + 0.5 % VIASOL X955 | 0.05 – 0.15 | - | 0.1 – 0.15 | hard rubber squeegee, trowel |
| Synthetic resin screed (epoxy screed) | VIASOL EP-T1709 + VIASOL QS40 / QS35 | ca. 2.0 kg/mm mortar with 8 – 14 % binder | - | 4.5 – 9.0 | Trowel, smoothing trowel (power plate) |
| Primer | VIASOL EP-T1709, EP-T703 or other | ca. 0.4 | ca. 0.5 | ca. 0.5 | 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 mortar (QS40) | EN 196 / ASTM C109 | Ca 25 - 30 N/mm ² |
| Compressive strength (QS40) | EN 196 / ASTM C109 | Ca 65 - 80 N/mm ² |
| Adhesive strength | EN ISO 4624 | > 1.5 N/mm ² |
| Shore-Hardness | DIN 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 | DIN EN 13813 | ≥ 4 Nm (IR4) |
| Wear resistance (Böhme) | DIN 51963 | ca. 6.1 cm ³ / 50 cm ² |
| 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

Manufacturer: