

VIACRETE MF standard UV



Medium duty, self-levelling, seamless polyurethane concrete flooring system, excellent mechanical and chemical resistance, high thermal shock resistance, odourless, solvent free, UV- and color stable. Wide spectrum of colours available.

Application fields

- Food and beverage production facilities
- Dry or moderate wet processing zones
- Foodstuff preparation
- Warehouse and distribution centres
- Dairy production

System build-up

- VIACRETE PU-S6005 P**
 SEALER
- VIACRETE PU-MF**
 PU CONCRETE
- VIACRETE PU-SC**
 PRIMER

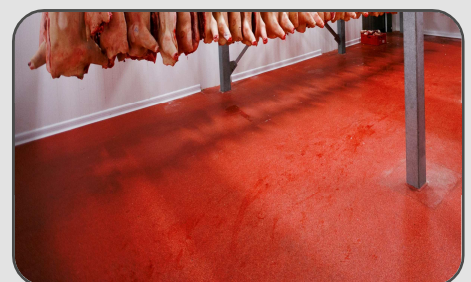
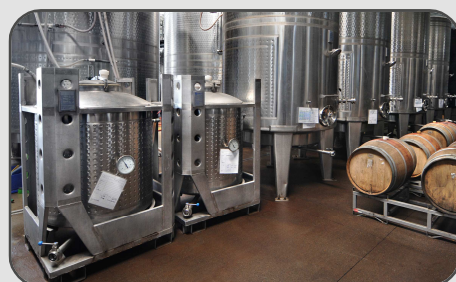


System highlights

3.0 - 6.0 mm System thickness

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> HACCP-certified ISEGA certified for handling foodstuff Low emission acc. AgBB and other standards | <ul style="list-style-type: none"> UV and color stable High abrasion resistance Low odor | <ul style="list-style-type: none"> Free of solvents Early water resistant Slight slip resistance |
|---|---|---|

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, coloured, matt | VIASOL PU-S6005 P | 0.12 – 0.13 kg/m ² | none | 0.08 – 0.11 | Short pile roller |
| PU-concrete, self-levelling | VIACRETE PU-MF | 5.5 – 7.6 kg/m ² | none | 3.0 – 4.0 | Pin rake or notched trowel, spike roller |
| Optional: Levelling layer | VIACRETE PU-SC | ca. 1.65 kg/m ² pro mm | none | 1.5 – 2.0 | Squeegee, trowel, pin rake |
| Primer | VIACRETE PU-SC oder andere | ca. 0.8 – 1.0 | Optional: OS (0.3-0.8 mm) ca. 0,5 – 0,8 | ca. 0.5 | Squeegee, trowel, roller |
| 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 . VIACRETE can be laid on 7-day old concrete (this to a residual moisture content of approx. 6-8% (CM)) or on 2 - 3 days old polymer-modified cement screed. For permanent rising water, please contact our technical service. 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 |
|--|----------------------------------|--------------------------------------|---|
| | Slip resistance | TRRL pendulum slip test DIN 51130 | dry > 70, wet > 21 R9 |
| | Shore Hardness | EN ISO 868 | D 75 after 28 d |
| | Impact resistance | EN 13813 | ≥ 4 Nm (IR4) |
| | Temperature resistance | | - 5 °C - + 60°C (3-4 mm) -15°C - + 70°C (5-6 mm) |
| | Coefficient of thermal expansion | ASTM C531 | $5.8 \times 10^{-5}/^{\circ}\text{C}$ |
| | Wear resistance (Taber) | EN ISO 5470-1 | ≤ 25 mg |
| | Compressive strength | EN 196 / ASTM C109 | ca. 45 N/mm ² |
| | Flexural strength | EN 196 / ASTM C109 | ca. 20 N/mm ² |
| | Tensile strength | EN 196 / ASTM C109 | ca. 10 N/mm ² |
| | Adhesive strength | EN ISO 4624 | min. 1,5 N/mm ² (depending on substrate quality) |
| | Fire behaviour | 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: