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

- **HACCP-certified**
- **UV and color stable**
- **Free of solvents**
- **ISEGA certified for handling foodstuff**
- **High abrasion resistance**
- **Early water resistant**
- **Low-emission in accordance with the criteria of the Committee for the Health Assessment of Building Products (AgBB)**
- **Low odor**
- **Slight slip resistance**

System pictures







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Application and Consumption

Layer	Product	Consumption (kg/m²)	Sand broadcasting (kg/m²)	Thickness (mm)	Application
Sealer, UV stable, coloured, matt	VIASOL PU-S6005 P	0.12 – 0.13 kg/m²	none	0.08 – 0.11	Short pile roller
PU-concrete, self-levelling	VIACRETE PU-MF	5.5 – 7.6 kg/m²	none	3.0 – 4.0	Pin rake or notched trowel, spike roller
Optional: Levelling layer	VIACRETE PU-SC	ca. 1.65 kg/m² 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/mm². 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 x 10^{-5}/°C
Wear resistance (Taber)	EN ISO 5470-1	≤ 25 mg
Compressive strength	EN 196 / ASTM C109	ca. 45 N/mm²
Flexural strength	EN 196 / ASTM C109	ca. 20 N/mm²
Tensile strength	EN 196 / ASTM C109	ca. 10 N/mm²
Adhesive strength	EN ISO 4624	min. 1,5 N/mm² (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

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