

# VIACRETE MF standard SR



High grade slip resistance, seamless, odourless, solvent free polyurethane concrete flooring system with excellent chemical and thermal resistance, solvent-free, textured matt finish in different colours.

## Application fields

- Wet processing zones
- Commercial kitchens
- Foodstuff preparation
- Beverage production
- Fisheries and seafood processing
- Dairy production
- Poultry and meat processing

## System build-up

- VIACRETE PU-TC**  
SEALER
- VIACRETE PU-MF**  
WEAR COAT
- VIACRETE PU-SC**  
PRIMER

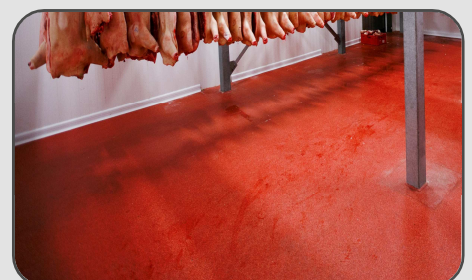


## System highlights

4.0 - 10.0 mm System thickness

- HACCP-certified**
- Seamless finish**
- High impact resistance**
- ISEGA certified**
- Thermal shock resistance between -25°C and +105°C**
- Early water resistant**
- Low emission acc. AgBB and other standards**
- Low odor**
- Anti-slip surface R10 - R13**

## System pictures






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## Application and Consumption

Layer	Product	Consumption (kg/m <sup>2</sup> )	Sand broadcasting (kg/m <sup>2</sup> )	Thickness (mm)	Application
Sealer	VIACRETE PU-TC	0.75 – 1.2	none	0.5 – 0.7	Rubber squeegee, paint roller
Wear coat, broadcasted with quartz sand	VIACRETE PU-MF	4.0 – 7.6	QS (0.3-0.8 or 0.6-1.2 mm) In excess	3.5 – 5.5	Pin rake, notched rake
Optional: Self-levelling layer	VIACRETE PU-MF	4.0 – 7.6	none	3.5 – 5.5	Squeegee, notched rake
Primer	VIACRETE PU-SC or others	ca. 0.8 – 1.0	Optional: QS (0.3-0.8 mm) ca. 0.5 – 0.8	ca. 0.5	Trowel, 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 $\geq 1.5$ N/mm <sup>2</sup> . 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 QS 0.3-0.8 mm QS 0.6-1.2 mm  QS 0.3-0.8 mm QS 0.6-1.2 mm Granite 1 – 2 mm	TRRL Pendulum test	dry > 100, wet > 25 dry > 100, wet > 41
	DIN 51130	R10 (sanded), R11 R12 V4-V6 R12 V10, R13 V10
Shore Hardness	EN ISO 868	D 75 after 28 d
Impact resistance	EN 13813	$\geq 4$ Nm (IR4)
Temperature resistance		- 5 °C - + 60°C (3-4 mm) -15°C - + 90°C (5-6 mm) -25°C - + 105°C (8-10 mm)
Coefficient of thermal expansion	ASTM C531	$5.8 \times 10^{-5}/^{\circ}\text{C}$
Wear resistance (Taber)	EN ISO 5470-1	$\leq 25$ mg
Compressive strength	EN 196 / ASTM C109	ca. 45 - 49 N/mm <sup>2</sup>
Flexural strength	EN 196 / ASTM C109	ca. 20 N/mm <sup>2</sup>
Tensile strength	EN 196 / ASTM C109	ca. 10 N/mm <sup>2</sup>
Adhesive strength	EN ISO 4624	min. 1,5 N/mm <sup>2</sup> (depending on substrate)
Fire behaviour	EN 13501-1	B <sub>fl</sub> -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](http://www.viacor.de) or contact us directly) – all technical information is subject to change without prior notice VIACOR products are guaranteed against defective material and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies which can be obtained on request.

### Manufacturer: