




### VIACRETE *MF standard*

Medium duty, self-levelling, seamless polyurethane concrete flooring system, excellent mechanical and chemical resistance, high thermal shock resistance, odourless, solvent free

#### SYSTEM BUILD-UP

-  PU-concrete self-levelling:  
**VIACRETE PU-MF**
-  Primer for cementitious substrates:  
**VIACRETE PU-SC or other**
-  Substrate: concrete, cementitious screed and others on request

#### SYSTEM THICKNESS

3.0 – 6.0\* mm



\* for system thickness > 4 mm a two layer application is recommended.

#### SYSTEM HIGHLIGHTS

- Complies to HACCP and GMP requirements
- The finished system is assessed as non-hazardous to health and environment

#### APPLICATION FIELDS

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



#### SYSTEM BENEFITS

- High chemical resistance
- High impact resistance
- High abrasion resistance
- Good thermal shock resistance
- Odourless, non-tainting to food
- Solvent free
- Easy to clean and low maintenance
- Complies to HACCP and GMP requirements
- Fast return to service
- Trafficable with hand and fork lifts
- Available in different colours
- Seamless finish
- Fire behaviour Bfl-s1

#### Manufacturer:

VIACOR Polymer GmbH, Graf-Bentzel-Str.78, D-72108 Rottenburg, Tel: +49/7472-94999-0, info@viacor.de, www.viacor.de

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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
PU-concrete as self-levelling coating	VIACRETE PU-MF	5.7 – 7.6 kg/m <sup>2</sup>	none	3.0 – 4.0	Pin rake or notched trowel, spike roller
Levelling layer (optional)	VIACRETE PU-SC	appr. 1.65 kg/m <sup>2</sup> per mm	if necessary 1 kg/m <sup>2</sup>	0.5 – 2.0	Squeegee, trowel, pin rake
Primer / scratch primer	VIACRETE PU-SC	0.8 – 1.2 kg/m <sup>2</sup>	if necessary 1 kg/m <sup>2</sup>	none	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 $\geq 1.5$ 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	TRRL pendulum slip test	dry > 70, wet > 21
	DIN 51130	R9
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) -10°C - + 70°C (5-6 mm)
Coefficient of thermal expansion	ASTM C531	$5.8 \times 10^{-5}/^{\circ}\text{C}$
Wear resistance (Taber) CS17	EN ISO 5470-1	$\leq 120$ mg
Compressive strength	EN 196 / ASTM C109	approx. 45 N/mm <sup>2</sup>
Flexural strength	EN 196 / ASTM C109	approx. 20 N/mm <sup>2</sup>
Tensile strength	EN 196 / ASTM C109	approx. 10 N/mm <sup>2</sup>
Adhesive strength	EN ISO 4624	$\geq 1.5$ N/mm <sup>2</sup> depends on substrate quality
Fire behaviour	EN 13501-1	Bfl-s1
Low emission	ISO 16000-3, 6,9 and EN 16516	fulfilled

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

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