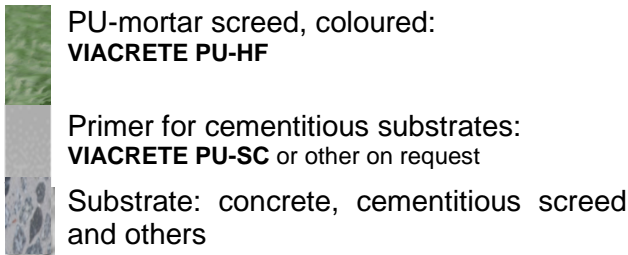


## VIACRETE system data sheet

### VIACRETE *HF high-temp*

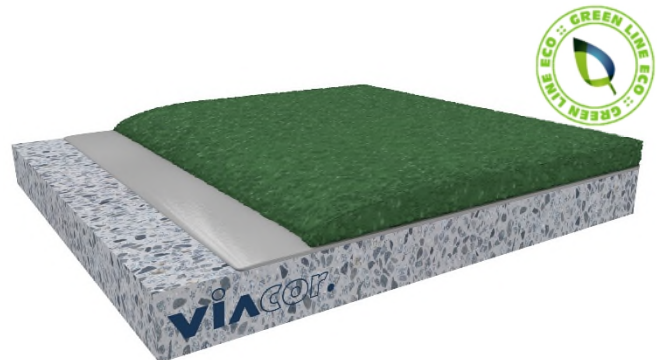
Mechanically and chemically highly resistant polyurethane concrete as a mortar coating with very high resistance to thermal shock, low odor and low emissions, solvent-free, with jointless, matt and non-slip surface.

#### SYSTEM BUILD-UP



#### SYSTEM THICKNESS

6.0 – 12.0 mm



#### SYSTEM HIGHLIGHTS

- HACCP certified
- low emissions accord. to AgBB / M1 and other standards
- slip resistant surface R10 – R12
- very high thermal shock resistance from -40°C up to +120°C

#### APPLICATION FIELDS

- Dairies and cheese production
- Food and beverage industry
- Warehouses and distribution centers
- Chemical production sites
- Meat, poultry and fish production
- Commercial kitchens and catering
- Refrigerated and freezer rooms
- Wet production and working areas



#### SYSTEM BENEFITS

- Tested antimicrobial cleanability
- HACCP compliance
- Non-tainting to food
- Excellent chemical resistance
- High impact and abrasion resistance
- High thermal shock resistance
- Seamless matt anti-slip finish – easy to clean and maintain (steam cleanable)
- Wide service temperatures
- Solvent free, odorless, non-tainting to food
- Fast return to service
- Available in many colors
- Fire behavior Bfl-s1

#### Manufacturer:

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

## VIACRETE system data sheet

### VIACRETE *HF high-temp*

#### APPLICATION AND CONSUMPTION

Layer	Product	Consumption (kg/m <sup>2</sup> )	Broadcast (kg/m <sup>2</sup> )	Layer thickness mm	Application
PU-mortar	VIACRETE PU-HF	13.0 – 25.5	optional. VIACRETE filler D	6.0 – 12.0	Trowl, screed box, paint roller
Leveling layer (optionall)	VIACRETE PU-SC	ca. 1.65 kg/m <sup>2</sup> per mm	none	1.0 – 2.0	Rubber squeegee, notched trowel
Primer / Scratch primer	VIACRETE PU-SC or others	ca. 0.8 – 1.0	ca. 0.5 – 0.8 recommended	ca. 0,5	Trowel, 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	DIN 51130	R10 – R12
Shore Hardness	EN ISO 868	D 84 after 28 d
Impact resistance	EN 13813	$\geq 4$ Nm (IR4)
Temperature resistance		- 40°C - + 120°C (6 mm) - 45°C - + 120°C (9 mm) - 45°C - + 130°C (12 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	approx. 58 N/mm <sup>2</sup>
Flexural strength	EN 196 / ASTM C109	approx. 15 N/mm <sup>2</sup>
Tensile strength	EN 196 / ASTM C109	approx. 10 N/mm <sup>2</sup>
Adhesive strength	EN ISO 4624	min. 1.5 N/mm <sup>2</sup> depends on substrate quality
Bacterial cleanability	Campdon Test TES-MB 216	good cleanability
Fire behaviour	EN 13501-1	B <sub>ii</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.

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