




## VIACRETE system data sheet

### VIACRETE *HF hi temp*<sup>VM</sup>

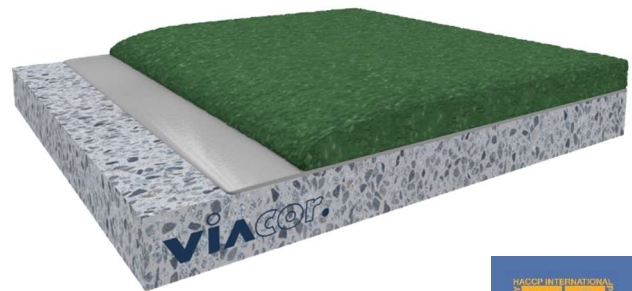
HACCP International certified, heavy duty, seamless, antimicrobial, odourless, solvent free polyurethane concrete flooring system with excellent mechanical properties, high thermal shock and chemical resistance with a textured matt coloured finish.

#### SYSTEM BUILD-UP

-  Wear coat coloured:  
**VIACRETE PU-HF<sup>VM</sup>**
-  Primer for cementitious substrates:  
**VIACRETE PU-MF<sup>VM</sup>**
-  Substrate:  
Concrete, cementitious screed and others

#### SYSTEM THICKNESS

6.0 – 12.0 mm



#### SYSTEM HIGHLIGHTS

- HACCP International certified
- Incorporates antimicrobial additive which inhibits the growth of bacteria, fungi, moulds and mildew
- Low emission tested according AgBB guidelines and other European standards as M1 classification
- Very high thermal shock resistance from -40°C to 120°C

#### APPLICATION FIELDS

- Food and beverage industry
- Wet processing and manufacturing facilities
- Foodstuff preparation and commercial kitchen
- Dairy processing
- Meat/poultry processing plants
- Chemical and minerals processing plants
- Cold rooms and freezers



#### SYSTEM BENEFITS

- HACCP International certified
- Excellent chemical resistance
- High impact and abrasion resistance
- High thermal shock resistance
- Seamless matt anti-slip finish - steam cleanable
- Wide service temperatures
- Solvent free, odourless, non-tainting to food
- Fast return to service
- Available in many colours
- Fire resistance class B<sub>fl-S1</sub>

#### Manufacturer:

VIACOR Asia Sdn Bhd., No. 5 Jalan Sungai Terap 32/182, Bukit Rimau Industrial Park, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia, tel: +603 5131 7777, fax: +603 5131 7878, email: [info@viacor.asia](mailto:info@viacor.asia), [www.viacor.asia](http://www.viacor.asia) – A division of VIACOR Polymer GmbH Germany

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#### SUBSTRATE REQUIREMENT

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  $\geq 1.5 \text{ N/mm}^2$ , residual moisture content  $< 4 \text{ \%}$ -CM, with higher residual moisture and on substrates with moisture from the slab 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.

Detailed application instructions are available upon request or refer to the technical product data sheet.

#### TECHNICAL DATA

	property	standard	result
	Compressive strength	EN 196 / ASTM C109	$\geq 48 \text{ N/mm}^2$
	Adhesive strength	EN ISO 4624	$>1.5 \text{ N/mm}^2$
	Shore-Hardness	EN ISO 868	D 80 after 28 d
	Coefficient of thermal expansion	ASTM C531	$5.8 \times 10^{-5}/^{\circ}\text{C}$
	Temperature resistance		- 25°C to + 100°C (6mm) - 40°C to + 120°C (9mm)
	Impact strength	EN 13813	$\geq 4 \text{ Nm}$ (IR4)
	Anti-microbial	Japanese Industrial Standard JIS Z 2801:2000	After 60 wash cycles 99.9% microbial growth reduction
	Flexural strength	ASTM C 348	$>15 \text{ N/mm}^2$
	Tensile strength	EN 196 / ASTM C109	$>10 \text{ N/mm}^2$
	Fire behaviour	EN13501-1	B <sub>fl</sub> -s1
	Bacterial cleanability	Campdon Test TES-MB216	Good cleanability

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.asia](http://www.viacor.asia) 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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