




VIACRETE system data sheet

VIACRETE *UD heavy duty*^{VM}

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

SYSTEM BUILD-UP

-  Wear coat coloured:
VIACRETE PU-UD^{VM}
-  Primer for cementitious substrates:
VIACRETE PU-MF^{VM}
-  Substrate:
Concrete, cementitious screed and others

SYSTEM THICKNESS

6.0 – 9.0 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

APPLICATION FIELDS

- Dairy, food & beverage production facilities warehouse & distribution centres
- Chemical and minerals processing plants
- Meat and poultry processing plants
- Commercial kitchens
- Cool and freezer rooms
- Food waste disposal / treatment plants



SYSTEM BENEFITS

- HACCP International certified
- Excellent chemical resistance
- High impact and abrasion resistance
- High thermal shock resistance
- Wide service temperatures
- Odourless, non-tainting to food
- Seamless matt anti-slip finish - steam cleanable
- Fast return to service
- Available in many colours

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, 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 $< 4 \%$ -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
	Heat resistance		-15°C to +100°C (6mm) -25°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	$>20 \text{ N/mm}^2$
	Tensile strength	EN 196 / ASTM C109	$>10 \text{ N/mm}^2$
	Coefficient of thermal expansion	ASTM C531	$5.8 \times 10^{-5}/^\circ\text{C}$
	Fire behaviour	EN13501-1	B _{f1-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 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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