

VIACRETE *MF standard SR*

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

SYSTEM BUILD-UP



Top coat coloured, matt:
VIACRETE PU-TC

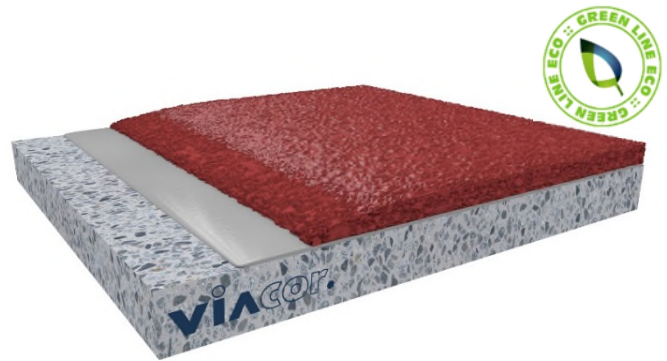
Wear coat coloured:
VIACRETE PU-MF + scatter different aggregate

Primer for cementitious substrates:
VIACRETE PU-SC or other

Substrate: concrete, cementitious screed and others

SYSTEM THICKNESS

4.0 – 6.0 mm



SYSTEM HIGHLIGHTS

- Complies to HACCP and GMP requirements in food and beverage industry
- The finished system is assessed as non-hazardous to health and environment
- Slip resistant surfaces R10 – R13

APPLICATION FIELDS

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

SYSTEM BENEFITS

- Wide range of slip resistance R10 – R13
- Odourless, non-tainting to food
- Seamless finish
- Complies to HACCP and GMP requirements
- Easy to clean and low maintenance (hot water cleanable)
- Thermal shock resistant e.g. hot water spillages
- Fast return to service
- Available in different colours
- High impact resistance
- High abrasion resistance
- Trafficable with hand and fork lifts
- Chemical resistant e.g. citric acid, lactic acid
- fire behaviour test 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

GREEN LINE ECO

VIACRETE *MF standard SR*

APPLICATION AND CONSUMPTION

layer	product	consumption (kg/m ²)	sand broadcasting (kg/m ²)	thickness mm	application
Top coat	VIACRETE PU-TC	0.75 – 1.2	none	0.5 – 0.7	Rubber squeegee, paint roller
Wear coat	VIACRETE PU-MF broadcast with QS 0.4-0.8 or 0.7-1.2 mm or other	4.0 – 7.6 self-leveling mortar	QS 0.4-0.8 mm / QS 0.7-1.2 mm 5.5 – 6.5	3.5 – 5.5 broadcast	Pin rake, notched rake
Leveling layer (optional)	VIACRETE PU-SC	ca. 1.65 kg/m ² per mm	none	1.0 – 2.0	Squeegee, notched rake
Primer / scratch primer	VIACRETE PU-SC or other	ca. 0.8 – 1.0	ca. 0.5 – 0.8 optional	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 ≥ 1.5 N/mm ² . 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 0.4-0.8 mm QS 0.7-1.2 mm	TRRL pendulum slip test	dry > 100, wet > 25 dry > 100, wet < 41
QS 0.4-0.8 mm QS 0.7-1.2 mm Granite 1 – 2 mm	DIN 51130	R10, R11-V4, R12-V4, R12-V6 R13-V6
Shore Hardness	EN ISO 868	D 75 after 28 d
Impact resistance	EN 13813	≥ 4 Nm (IR4)
Temperature resistance		- 5 °C - + 60°C (3-4 mm) -15°C - + 90°C (5-6 mm)
Coefficient of thermal expansion	ASTM C531	$5.8 \times 10^{-5}/^{\circ}\text{C}$
Wear resistance (Taber)	EN ISO 5470-1	≤ 25 mg
Compressive strength	EN 196 / ASTM C109	approx. 45 – 49 N/mm ²
Flexural strength	EN 196 / ASTM C109	approx. 20 N/mm ²
Tensile strength	EN 196 / ASTM C109	approx. 10 N/mm ²
Adhesive strength	EN ISO 4624	≥ 1.5 N/mm ² 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 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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