








### VIASOL **UNIVERSAL high-impact**

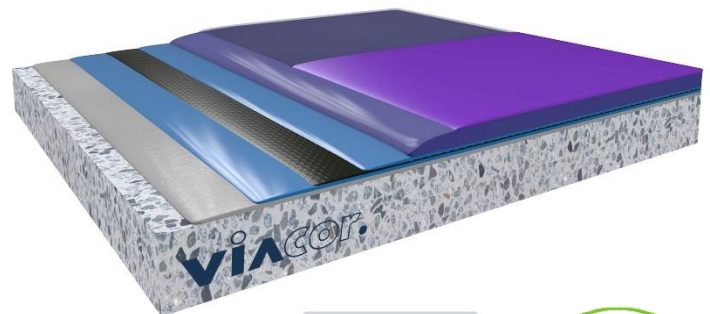
Epoxy resin based coating system, low emission with glass fabric reinforcement for high hard-wearing and very high mechanical loads with good chemical properties and a wide spectrum of colours and surface structures. Suitable for substrates with cracks and for air cushion vehicles.

#### SYSTEM BUILD-UP

-  Optional: Transparent seal coat matt if colour flakes are used: VIASOL PU-S6005 (1) or pigmented VIASOL PU-S6005P (1)
-  Self-levelling coating VIASOL EP-C3000
-  Fine levelling coating (optional) VIASOL EP-C3000
-  Intermediate layer with glass fabric: VIASOL EP-L360 with glass fabric (200 – 450 g/m<sup>2</sup>)
-  Scratch coat, levelling coating (recommended) VIASOL EP-C3000
-  Primer for cementitious substrates: VIASOL EP-T703 or other
-  Substrate: concrete, cementitious screed, and others

#### SYSTEM THICKNESS

3.0 – 6.0 mm



#### SYSTEM HIGHLIGHTS

- Heavy-duty system
- Reinforcement with glass fabric
- Hygienic, complies with regulations of food and beverage industry (ISEGA certified)
- Low emission accord. to AgBB standard and other European standards
- TÜV-ProfiCert certified

#### APPLICATION FIELDS

- Logistic sites and warehouses
- Production areas
- Paper mills and metal working industry
- Workshops
- Shopping centres and supermarkets
- Laboratories



#### SYSTEM BENEFITS

- Extremely wear resistant
- Low emission accord. to AgBB standard and other European standards
- Slightly crack bridging with glass fabric
- Low odor, solvent free, does not taint food
- High abrasion and impact resistance
- Good chemical resistance
- Hygienic, complies with regulations of EU food industry (ISEGA certified)
- Self-leveling, joint less, seam less
- Impermeable to liquids
- Available in many colors
- Slightly slip resistant surface possible
- Fire resistance class B<sub>fl</sub>-s1

#### Manufacturer:

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# VIASOL system data sheet

## GREEN LINE ECO

### VIASOL *UNIVERSAL high-impact*

#### APPLICATION AND CONSUMPTION

layer	product	consumption (kg/m <sup>2</sup> )	sand broadcasting (kg/m <sup>2</sup> )	thickness mm	application
Seal coat, transparent, matt (optional)	VIASOL PU-S6005 (1)	0.09 – 0.11	none	0.07 – 0.10	microfiber roller
Seal coat, pigmented, matt (optional)	VIASOL PU-S6005P (1)	0.09 – 0.11	none	0.07 – 0.10	microfiber roller
Self-levelling coating	VIASOL EP-C3000 (fillable up to 30 % depending on consumption)	1.6 – 2.5	optional colour chips	1.2 – 2.0	notched trowel or squeegee + spike rolle)
Fine levelling layer (optional)	VIASOL EP-C3000	0.8 – 2.0	none	0.5 – 2.0	trowel or rubber squeegee / notched trowel or squeegee
Laminating layer	VIASOL EP-L360 with glass fabric	0.6 – 1.2 (200-450 g/m <sup>2</sup> )	none	0.6 – 1.0	trowel or rubber squeegee and laminating roller
Scratch coat, levelling layer (optional)	VIASOL EP-C3000 (fillable 10-20% VIASOL QNVO)	0.8 – 2.0 + 80 – 400 QNVO	none	0.5 – 2.0	trowel or rubber squeegee / notched trowel or squeegee
Primer	VIASOL EP-T703	0.3 – 0.5	optional QS 0.3 – 0.8 mm	0.2 – 0.3	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> , residual moisture content $< 4$ %-CM, with higher residual moisture and on 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. (1) Seal coat is low emission but not content of the AgBB approval				

#### TECHNICAL DATA



Property	standard	result
Compressive strength	EN 196 / ASTM C109	approx. 70 N/mm <sup>2</sup>
Flexural strength	EN 196 / ASTM C109	approx. 40 N/mm <sup>2</sup>
E-Modulus	DIN 53504	approx. 7000 N/mm <sup>2</sup>
Shore-Hardness	EN ISO 868	D 82 after 28 d
Adhesive strength	EN ISO 4624	$>2.5$ N/mm <sup>2</sup> (concrete failure)
Impact strength	EN 13813	$\geq 4$ Nm (IR4)
Wear resistance (Taber)	EN ISO 5470-1	$\leq 80$ mg
Solvent free / Total solid	Test method "Deutsche Bauchemie"	$\leq 1$ % (not valid for water based seal coat)
Chemical Resistance	EN ISO 2812-1	Test liquids 3, 10, 11 (more see chemical resistance list)
Fire Resistance	EN 13501-1	B <sub>f1</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

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