

## VIASOL system data sheet

### VIASOL **UNIVERSAL HBV**

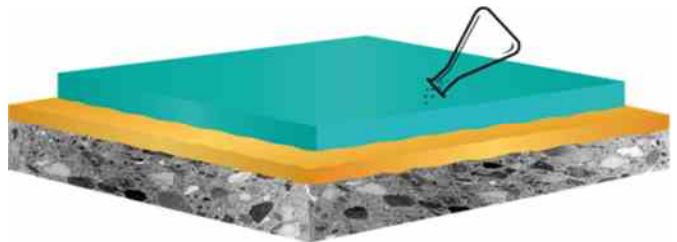
High chemical resistant epoxy resin based coating system, with hard-wearing and very good mechanical and chemical properties, slightly crack bridging.

#### SYSTEM **BUILD-UP**

- Self-levelling coating chemical resistant  
VIASOL EP-C536 N
- Scratch coat, levelling coating  
VIASOL EP-C500 or EP-T703 (optional)
- Primer for cementitious substrates:  
VIASOL EP-P210, EP-T703 or other
- Substrate: concrete, cementitious screed,  
others on request

#### SYSTEM **THICKNESS**

2.0 – 3.0 mm



#### SYSTEM **HIGHLIGHTS**

- High wear resistance
- High chemical resistant against test liquids of the DiBT.
- Slightly crack bridging properties

#### APPLICATION **FIELDS**

- Chemical and pharmaceutical industry
- Production areas with chemical loads
- Workshops
- Warehouses and high bay storage
- Laboratories
- Secondary containment



#### SYSTEM **BENEFITS**

- Wear resistant, capable of bearing medium mechanical loads
- High abrasion and impact resistance
- Very good chemical resistance acc. to the test liquids of DiBT
- Hygienic, complies with regulations of EU food industry (ISEGA certified)
- Self-leveling, joint less, seam less
- impermeable to liquids
- Statically crack bridging properties
- Available in many colors
- Good adhesion to concrete and other substrates, with special primers also suitable on substrates with rising water
- Slightly slip resistant surface possible
- Fire resistance class B<sub>fl</sub>-s1

#### Manufacturer:

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Page 1/2

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### APPLICATION AND CONSUMPTION

layer	product	consumption (kg/m <sup>2</sup> )	sand broadcasting (kg/m <sup>2</sup> )	thickness mm	application
Self-levelling coating	VIASOL EP-C536 N	2.0 – 3.0	none	1.5 – 2.5	notched trowel or squeegee (+ spike roller)
Scratch coat, levelling layer (optional)	VIASOL EP-C500 (fillable 10-30% with VIASOL QNV0)	0.5 – 2.0 + 0.05 – 0.6 QNV0	none	0.5 – 2.0	trowel or rubber squeegee / notched trowel or squeegee
alternative	VIASOL EP-T703 (fillable 50-100% with VIASOL QNV0)	0.5 – 2.0 + 0.25 – 1.0 QNV0	optional QS 0.3 – 0.8 mm	0.5 – 2.0	trowel or rubber squeegee / notched trowel or squeegee
Primer	VIASOL EP-P210 or VIASOL EP-T703	0.3 – 0.5	optional QS 0.3 – 0.8 mm	0.2 – 0.3	roller, squeegee + 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 $\geq 1.5 \text{ N/mm}^2$ , residual moisture content $< 4 \text{ \%CM}$ , 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.				

### TECHNICAL DATA



property	standard	result
Crack bridging	DIN EN 1062-7	$\geq 0.2 \text{ mm}$
Shore-Hardness	EN ISO 868	D 60 after 28 d
Adhesive strength	EN ISO 4624	$> 2.0 \text{ N/mm}^2$ (concrete failure)
Impact strength	EN 13813	$\geq 4 \text{ Nm (IR4)}$
Wear resistance (Taber)	EN ISO 5470-1	$\leq 75 \text{ mg}$
Solvent free / Total solid	Test method "Deutsche Bauchemie"	$\leq 1 \text{ \%}$
Chemical Resistance	EN ISO 2812-1	Test liquids DiBt: 3, 3b, 4, 4a, 4c, 5, 5a, 5b, 6, 6b, 7, 7a, 7b, 8, 8a, 9, 9a, 10, 11, 12, 13, 14, 15a (more see chemical resistance list)
Fire Resistance	EN 13501-1	B <sub>fl</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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