

VIASOL UNIVERSAL HBV

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

Application fields

- Chemical Industry
- Pharmaceutical Industry
- Production areas
- Workshops
- Warehouses
- High bay storage
- Laboratories
- Secondary containment

System build-up

- VIASOL EP-C536 N**
 SELF-LEVELLING COATING
- VIASOL EP-C500**
 SCRATCH COAT
- VIASOL EP-T703**
 PRIMER



System highlights

2.0 - 3.0 mm System thickness

- Capable of bearing high mechanical loads**
- High abrasion resistance**
- Optionally slightly slip resistant**
- Hygienic (ISEGA certified)**
- Very good chemical resistance**
- Statically crack-bridging**

System pictures



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Application and Consumption

Layer	Product	Consumption (kg/m ²)	Sand broadcasting (kg/m ²)	Thickness (mm)	Application
Self-levelling coating, highly chemically resistant	VIASOL EP-C536 N	2.0 – 3.0	Optional: SIC F70 (0.18-0.25 mm) 0.02 – 0.08	1.5 – 2.5	notched trowel or squeegee + spike roller
Optional: Scratch coat, levelling layer	VIASOL EP-C500 (fillable 10-20% with VIASOL QNV0)	0.8 – 2.0 (+ 0.08 – 0.4 QNV0)	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) Ca. 0.5	0.2 – 0.3	rubber 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 ≥ 1.5 N/mm ² , 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.				

Technical data



Property	Standrad	Result
Crack bridging	DIN EN 1062-7	≤ 0.2 mm
Shore-Hardness	EN ISO 868	D 60 after 28 d
Adhesive strength	EN ISO 4624	> 2,0 N/mm ² (concrete failure)
Impact strength	EN 13813	≥ 4 Nm (IR4)
Wear resistance (Taber)	EN ISO 5470-1	≤ 75 mg
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 upon request)
Solvent free / Total solid	Test method „Deutsche Bauchemie“	≤ 1 %
Fire Resistance	DIN EN 13501-1	B _{fl} -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 or contact us directly) – all technical information is subject to change without prior notice