

VIASOL UNIVERSAL

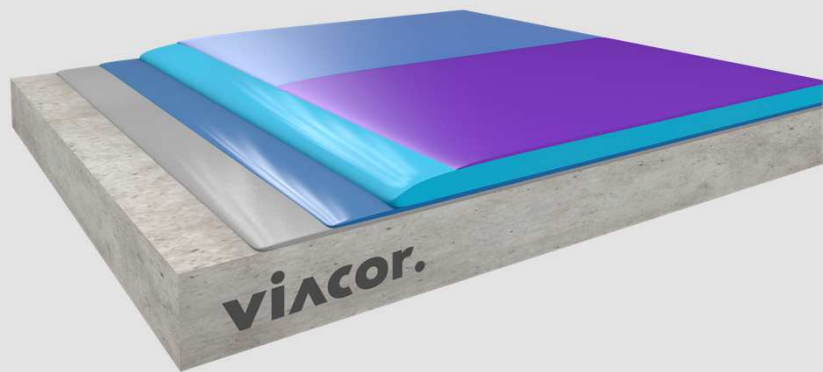
Versatile epoxy resin based coating system, for medium to high mechanical and medium chemical loads, with a wide spectrum of colours and surface structures.

Application fields

- | | | | |
|----------------|----------------|------------------|--------------|
| Logistic sites | Warehouses | Production areas | Paper mills |
| Workshops | Shopping malls | Supermarkets | Laboratories |

System build-up

- | | |
|---|--|
| VIASOL PU-S6005 P
SEALER | |
| VIASOL EP-C500
SELF-LEVELLING COATING | |
| VIASOL EP-C500
SCRATCH COAT | |
| VIASOL EP-T703
PRIMER | |



System highlights

2.0 - 5.0 mm System thickness



Capable of bearing high loads



High abrasion resistance



High impact resistance



Hygienic (ISEGA certified)

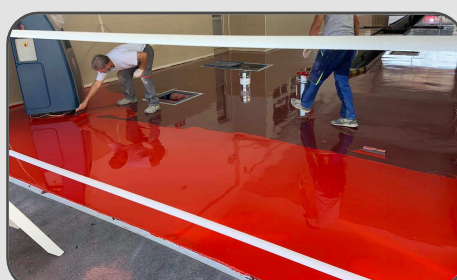


Good chemical resistance



Optionally slip resistant R9 / R10 / R11

System pictures



VIASOL UNIVERSAL

Application and Consumption

Layer	Product	Consumption (kg/m ²)	Sand broadcasting (kg/m ²)	Thickness (mm)	Application
Optional: Sealer, matt, coloured	VIASOL PU-S6005 P	0.09 – 0.11	-	0.07 – 0.1	microfibre roller
Alternative: Sealer, matt, transparent	VIASOL PU-S6005				
Self-levelling coating	VIASOL EP-C500 or VIASOL EP-C503 (fillable up to 30% depending on consumption)	1.6 – 2.5	Optional Colour chips	1.2 – 2.0	notched trowel or squeegee (+ spike roller)
Alternativ: Self-levelling coating, highly fillable	VIASOL EP-C3005 (fillable 70-150% with VIASOL QNV0)	0.8 – 1.5 (0.5 – 2.2 QNV0)			
Scratch coat, levelling layer	VIASOL EP-C500 or VIASOL EP-C503 (fillable 10-20% with VIASOL QNV0)	0.8 – 2.0 (0.08 – 0.4 QNV0)	-	0.5 – 2.0	trowel or rubber squeegee / notched trowel or notched squeegee
Alternative: Scratch coat, highly fillable	VIASOL EP-C3005 (fillable 70-150% with VIASOL QNV0)	0.6 – 1.2 (0.4 – 1.8 QNV0)			
Primer	VIASOL EP-T703 or VIASOL EP-P203	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. Transparent top coats can't avoid yellowing of layer below.				

Technical data

Property	Standard	Result
Compressive strength	EN 196 / ASTM C109	Ca. 70 N/mm ²
Flexural strength	EN 196 / ASTM C109	Ca. 40 N/mm ²
E-Modulus	DIN 53504	Ca. 7000 N/mm ²
Shore-Hardness	EN ISO 868	D 82 after 28 d
Adhesive strength	EN ISO 4624	$> 2,5$ N/mm ² (concrete failure)
Impact strength	EN 13813	≥ 4 Nm (IR4)
Wear resistance (Taber)	EN ISO 5470-1	≤ 55 mg
Chemical resistance	EN ISO 2812-1	Test liquids 3, 10, 11 (more upon request)
Solvent free / Total solid	Test method „Deutsche Bauchemie“	≤ 1 % (not valid for water based seal coat)
Fire resistance	DIN EN 13501-1	B _{fi} -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

Manufacturer: