VIASOL system data sheet

VIASOL*PROTECTIVE structure*

Economic epoxy resin based coating system with slightly up to medium structured surface for industrial floors with medium mechanical and chemical loads and vertical surfaces.

SYSTEM*BUILD-UP*

Top coat, seal coat:
VIASOL EP-S620 thix

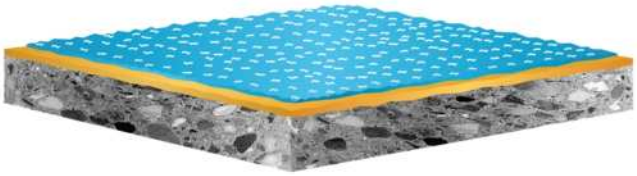
Primer:
VIASOL EP-P203 or others

optional
Blocking primer for wet cementitious substrates or for substrates with rising water:
VIASOL EP-P210

Substrate: concrete, cementitious screed, and others

SYSTEM*THICKNESS*

0.5 – 1.0 mm

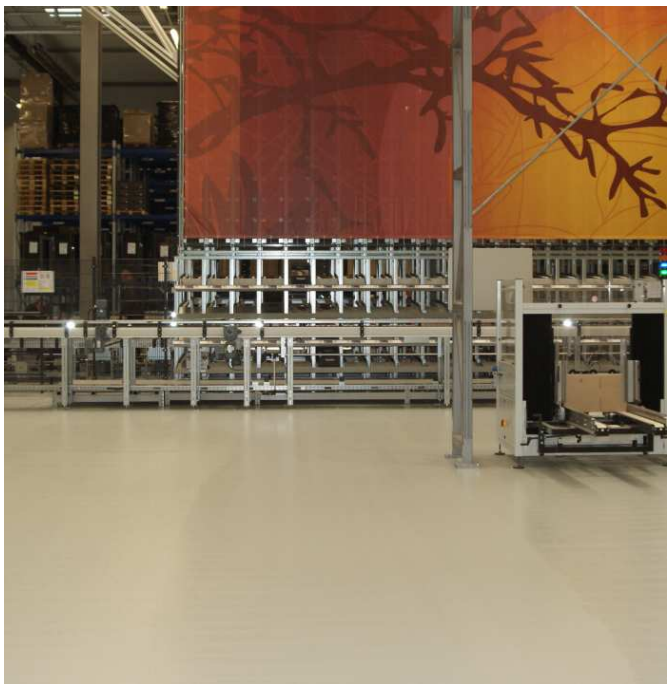


SYSTEM*HIGHLIGHTS*

- Economic system built-up
- Many colours available
- Structured surface (“orange skin”)

APPLICATION*FIELDS*

- Industrial floors with light to medium loads
- Technical rooms
- Service areas in public buildings
- Walls and vertical surfaces in wet areas



SYSTEM*BENEFITS*

- Economic coating system
- Seamless and joint less application
- Suitable for concrete slabs in contact to ground
- Good wear and abrasion resistance
- Good chemical resistance (oil, de-icing salt, petrol, diesel)
- Slightly up to medium structured (“orange skin”)
- Available in many colours
- Fire resistance class B_{fl}-s1

Manufacturer:
VIACOR Polymer GmbH, Graf-Bentzel-Str.78, D-72108 Rottenburg, Tel: +49/7472-94999-0, info@viacor.de, www.viacor.de

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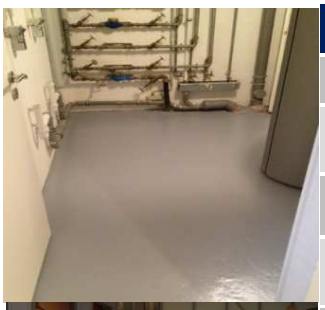
APPLICATION *AND* CONSUMPTION

layer	product	consumption (kg/m²)	sand broadcasting (kg/m²)	thickness mm	application
Seal coat optional with QS for better slip resistance	VIASOL EP-S620 thix (fillable with QS 10 – 20%)	0.6 – 0.8 0.06 – 0.2 (0.1-0.4 mm)	none	0.5 – 0.8	rubber squeegee, structured roller for finish, medium or coarse
Primer	VIASOL EP-P203 or others	0.4 – 0.6	none	0.3 -0.5	notched trowel, roller for finish
Blocking primer ≤ 6 % CM (optional)	VIASOL EP-P210	0.4 - 0.6	none	ca. 0.3	roller or 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/mm², 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	standard	result
Adhesive strength at T_{NORM}	DIN EN 1542	≥ 3.8 N/mm² (≥ 1.5 N/mm²)
Grip and slip resistant if broadcasted	DIN EN 13036-4 DIN 51130	NPD
Chemical resistance	DIN EN 13529	Test liquids DiBT no. 1, 3, 10
Abrasion resistance (CS17 wheel)	DIN EN ISO 5470-1	74 mg /1000 U
Shore hardness	DIN EN ISO 868	D 73
Water vapour permeability	DIN EN ISO 7783-1 and -2	class III > 200 m (> 50 m)
Water absorption coefficient	DIN EN 1062-3	< 0,01 kg/m² x $h^{0,5}$ (< 0,1)
Impact resistance	DIN EN ISO 6772-2	4 Nm – no cracks
Fire behaviour class system	EN 13501-1	NPD

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

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