

VIASOL system data sheet

VIASOL **UNIVERSAL SKY**


Universal epoxy resin based coating system with effect fillers, with hard-wearing and good mechanical and chemical properties and a wide spectrum of SKY colours and surface structures.


SYSTEM BUILD-UP


Optional:


Transparent seal coat, matt:

 VIASOL PU-S6005

 Self-levelling coating
VIASOL EP-C500 SKY 10 / 20 / 30

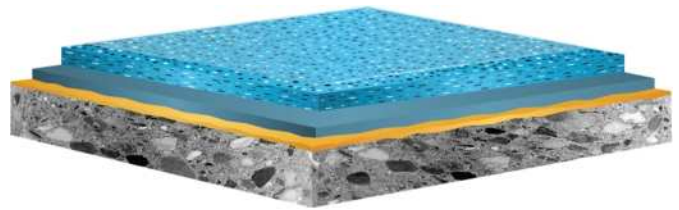
 Base coat, levelling coating
VIASOL EP-C500 (recommended)

 Primer for cementitious substrates:
VIASOL EP-P203, EP-T703 or other

 Substrate: concrete, cementitious screed, and others

SYSTEM THICKNESS

2.0 – 3.0 mm



SYSTEM HIGHLIGHTS

- High wear resistance
- Decorative appearance
- Hygienic, complies with regulations of food and beverage industry (ISEGA certified)

APPLICATION FIELDS

- Pharmaceutical and chemical industry
- Production areas with decorative requirements
- Shopping centres and supermarkets
- Laboratories
- Entrance halls, foyers



SYSTEM BENEFITS

- Effect fillers for appearance
- Wear resistant, capable of bearing medium loads
- 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 SKY 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_{fl}-s1

Manufacturer:

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APPLICATION AND CONSUMPTION

Layer	Product	consumption (kg/m ²)	sand broadcasting (kg/m ²)	thickness mm	application
Seal coat, transparent, matt (optional)	VIASOL PU-S6005	0.09 – 0.12	none	0.06 – 0.10	microfiber roller
Decorative self-levelling coating (1)	VIASOL EP-C500 SKY (10/20/30)	2.0	none	1.25	notched trowel or squeegee (+ spike roller)
Base coat, levelling layer	VIASOL EP-C500 (fillable 10-30% with VIASOL QNV0)	2.0 + 0.6	none	1.25 – 1.48	trowel or rubber squeegee / notched trowel or notched squeegee
Primer	VIASOL EP-T703, EP-P203 or others	min. 0.3	optional QS 0.3 – 0.8 mm	0.2	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. (1) Epoxy resins are in general not UV- and colour stable. We recommend not using bright colours which increase this effect. Please ask our technical service for more information.				

TECHNICAL DATA

Property	standard	result
Compressive strength	EN 196 / ASTM C109	approx. 70 N/mm ²
Flexural strength	EN 196 / ASTM C109	approx. 40 N/mm ²
E-Modulus	DIN 53504	approx. 7000 N/mm ²
Shore-Hardness	EN ISO 868	D 82 after 28 d
Adhesive strength	EN ISO 4624	$> 2.5 \text{ N/mm}^2$ (concrete failure)
Impact strength	EN 13813	$\geq 4 \text{ Nm}$ (IR4)
Wear resistance (Taber)	EN ISO 5470-1	$\leq 80 \text{ mg}$
Solvent free / Total solid	Test method "Deutsche Bauchemie"	$\leq 1 \text{ \%}$ (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	Bi-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: