






VIASOL system data sheet

VIASOL **UNIVERSAL SKY**

Universal epoxy resin based flooring system with 3-D effect fillers, hard-wearing, good mechanical and chemical properties and a wide range of SKY colours.

SYSTEM **BUILD-UP**

-  Optional:
Transparent, gloss or matt seal coat:
VIASOL EP-S684^{VM} (gloss) or PU-S6005^{VM} (matt)
-  Self-levelling coating
VIASOL EP-C518 Deco^{VM}
-  Base coat, levelling coating
VIASOL EP-C500^{VM} (recommended)
-  Primer for cementitious substrates:
VIASOL EP-P210^{VM}
-  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)
- TÜV-ProfiCert certified

APPLICATION **FIELDS**

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



SYSTEM **BENEFITS**

- 3-D effect fillers for appearance
- Wear resistant, capable of bearing medium loads
- Low odor, solvent free, does not taint food
- Hygienic, complies with regulations of EU food industry (ISEGA certified)
- High abrasion and impact resistance
- Good chemical resistance
- Self-leveling,
- Seamless
- Impermeable to liquids
- Available in many SKY colors
- Good adhesion to concrete and other substrates
- Fire resistance class B_{fl}-s1

Manufacturer:

VIACOR Asia Sdn Bhd., No. 5 Jalan Sungai Terap 32/182, Bukit Rimau Industrial Park, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia,
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SUBSTRATE *REQUIREMENT*

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 slab 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.

Detailed application instructions are available upon request or refer to the technical product data sheet.
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
	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"	$\leq 1 \%$ (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	B _{fl} -S1
	Slip Resistance	DIN 51130	R9 - R10

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.asia or contact us directly)– all technical information is subject to change without prior notice
VIACOR products are guaranteed against defective material and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies which can be obtained on request.

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