






VIASOL system data sheet

VIASOL **ELASTIC SKY**

Decorative and elastic polyurethane flooring system, very good UV- and colour stability, impact noise reducing, gentle to knees and joints, warm to feet, with good mechanical and chemical properties and a wide colour spectrum.

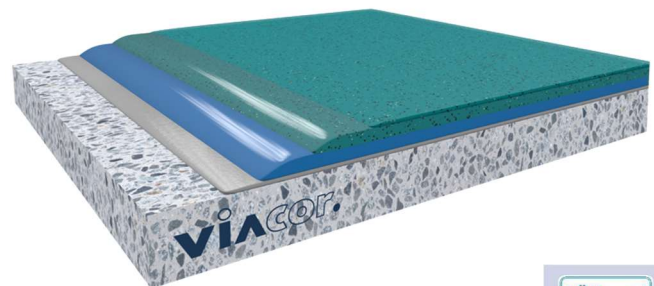
SYSTEM BUILD-UP

Polymer wax (matt finish) recommended

-  Transparent seal coat:
VIASOL PU-S6000^{VM}
-  Decorative topping, UV- and colour stable:
VIASOL PU-C500 SKY^{VM}
-  Levelling layer
VIASOL PU-C523^{VM} (recommended)
-  Primer for cementitious substrates:
VIASOL EP-P210^{VM}
-  Substrate:
Concrete, cementitious screed, wood and others

SYSTEM THICKNESS

2.0 – 3.0 mm



SYSTEM HIGHLIGHTS

- Decorative finish with effect filler
- Excellent UV- and colour stability
- Low emission tested according AgBB guidelines and other European standards as M1 classification
- TÜV-ProfiCert Premium certified

APPLICATION FIELDS

- Schools, kindergarten, universities
- Hospitals, nursing and residential homes
- Offices and public buildings
- Shops, foyers and exhibition areas
- Private apartments and homes



SYSTEM BENEFITS

- Impact sound reducing up to 3 dB
- Gentle to knee and joints, durable elasticity
- Impact absorption, durable elasticity
- Self-leveling
- Seamless
- High abrasion resistance
- Homogeneous surface
- Easy to clean and maintain
- Available in many colours
- Individual design possibility
- Excellent colour and UV-stability
- 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, tel: +603 5131 7777, fax: +603 5131 7878, email: info@viacor.asia, www.viacor.asia – A division of VIACOR Polymer GmbH Germany

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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 $< 4 \%$ -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.

TECHNICAL DATA



property	standard	result
Tensile strength(top coating)	DIN 53504	approx.9 N/mm ²
Elongation at break (top coating)	DIN 53504	approx. 60 %
Tear resistance	DIN 53515	approx. 15 N/mm ²
Shore-Hardness	EN ISO 868	A 80 after 28 d
Way of use (classification)	EN 685	Private buildings: 23 Public buildings: 34 Industrial buildings: 41
Impact sound reduction	DIN 4109	ca. 3 – 5 dB
Impact strength	EN 13813	$\geq 4 \text{ Nm}$ (IR4)
Wear resistance (Taber)	EN ISO 5470-1, ASTM D 1044	$\leq 30 \text{ mg}$
Anti-skid properties	BGR 181 / DIN 51130	class R9 / R10
Adhesive strength	DIN ISO 4624	$>1.5 \text{ N/mm}^2$
Fire behaviour class system	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.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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