

# VIASOL System Data Sheet

## VIASOL *EXPRESS resist*

Fast and low-temperature curing, slip-resistant polyurea coating, for light to medium chemical and medium mechanical loads, with a wide color spectrum.

### SYSTEM BUILD-UP

### SYSTEM THICKNESS

1,5 – 2,5 mm



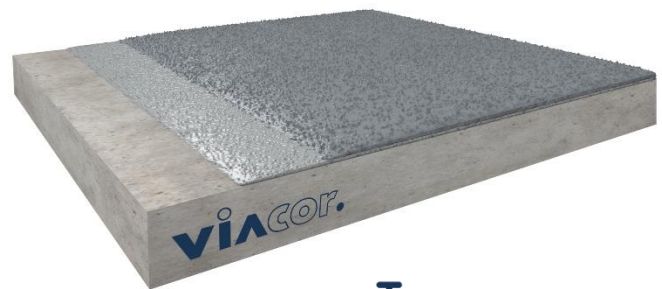
Wear coat:  
VIASOL UREA S6001 P



Primer for cementitious substrates:  
VIASOL PU-S691 P, broadcasted with quartz QNV

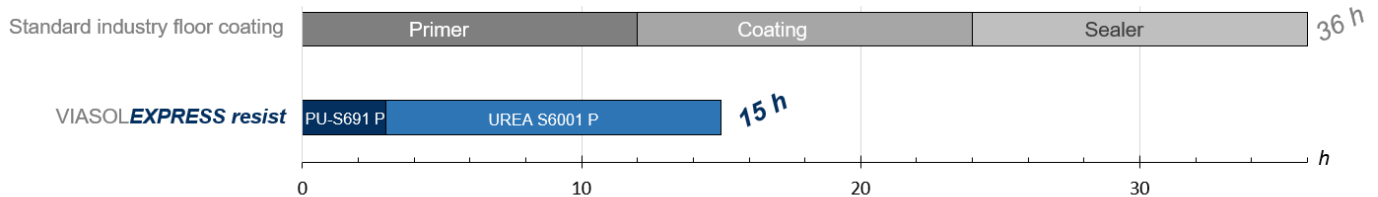


Substrate: Concrete, cementitious screed and other



### SYSTEM TIMELINE

Duration until system being walkable (application & curing) \*



\*Assumed application conditions: 15°C, 40% rel. humidity, 200m<sup>2</sup> area (ca. 1h application per operation)

### SYSTEM BENEFITS

- Application and curing within one day
- Early water resistance after 3 h, vehicle traffic after 2 days
- Low temperature curing
- For high mechanical stress
- Exceptional abrasion and wear resistance
- Slip resistant surface R11
- UV and colour stable
- Low odour
- Solvent-free
- Available in many colours
- Certified low flammable B<sub>fl</sub>-s1

### APPLICATION FIELDS

- Production, storage and other usable areas with and without moisture impact
- Exterior surfaces such as loading ramps, stairways and arcades
- Surfaces, ramps and spindles in parking and underground garages



### Manufacturer:

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#### APPLICATION AND CONSUMPTION

Layer	Product	Consumption (kg/m <sup>2</sup> )	Broadcasting (kg/m <sup>2</sup> )	Thickness (mm)	Application
Wear coat	VIASOL UREA S6001 P	2,5 – 3,0	-	1,5 – 2,5	Trowel, long handled squeegee, roller
Primer	VIASOL PU-S691 P (Optional: Filled with 20% QNV0)	0,3 – 0,5 (without filling)	0,5 – 0,8 kg/m <sup>2</sup> QNV2-ad (0,3 – 0,8 mm)	0,2 – 0,4 (without filling)	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 $\geq 1.5 \text{ N/mm}^2$ , 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.				

#### TECHNICAL DATA

Property	Standard	Result
Shore hardness	DIN EN ISO 868	After 1d: D65 After 7d: D75
Adhesive tensile strength	DIN EN ISO 4624	$> 2,5 \text{ N/mm}^2$ (concrete failure)
Impact strength	EN 13813, tested acc. EN ISO 6272-1	$\geq \text{IR4}$
Abrasion resistance (Taber)	DIN ISO 9352	$\leq 700 \text{ mg}$ (H22, 1000 cycles)
Chemical resistance	EN ISO 2812-4	Resistant against (among others): <ul style="list-style-type: none"> <li>- Petrol (DIBt medium group 1)</li> <li>- Diesel/Heating oil (3)</li> <li>- Sulfuric acid 20% (10)</li> <li>- Detergent 50% (14)</li> </ul>

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 user's responsibility to obtain the most recent issue (see [www.viacor.de](http://www.viacor.de) or contact us directly) – all technical information is subject to change without prior notice.

#### Manufacturer: