

VIASOL System Data Sheet

VIASOL *EXPRESS protective*

Fast- and low-temperature-curing, slip-resistant polyurethane / urea coating, for light to medium chemical and medium mechanical loads, with a wide colour spectrum and various surface structures.

SYSTEM BUILD-UP

SYSTEM THICKNESS

2,0 – 4,0 mm



Pigmented sealer:
VIASOL PU-S691 P or
VIASOL UREA S6400 P



Broadcasting layer:
VIASOL PU-L315, broadcasted with quartz
QNV



Primer for cementitious substrates:
VIASOL PU-S691 P

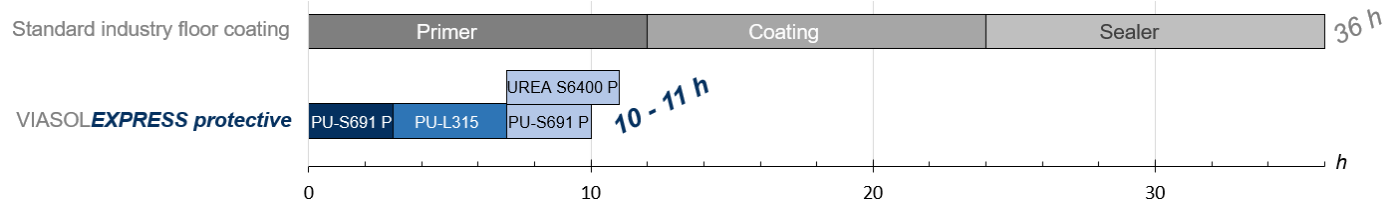


Substrate: Concrete, cementitious
screed and other



SYSTEM TIMELINE

Duration until system being walkable (application & curing) *



SYSTEM BENEFITS

- Application and curing within one day
- Crack-bridging broadcasting layer
- Low temperature curing, application from 10°C
- Early water resistance after 3 h
- UV and colour stable
- Available in many colours
- Low odour
- Defined slip resistance R10 – R12 by adjusting the broadcasting medium and application
- Certified flame retardant B_{fl}-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



Surface

Manufacturer:

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APPLICATION AND CONSUMPTION

Layer	Product	Consumption (kg/m ²)	Broadcasting (kg/m ²)	Thickness (mm)	Application
Pigmented sealer	VIASOL PU-S691 P or VIASOL UREA S6400 P	0,5 – 0,6	-	0,35 – 0,5	Rubber squeegee, roller
Broadcasting layer with quartz QNV	VIASOL PU-L315	0,7 – 1,5	QNV2-ad (0,3 – 0,8 mm) or QNV3-ad (0,6 – 1,2 mm) in surplus	1,5 – 3,0	Notched trowel, roller
Primer	VIASOL PU-S691 P (Optional: Filled with 20% QNV0)	0,3 – 0,5 (without filling)	Optional QNV2-ad (0,3 – 0,8 mm) Ca. 0,8 kg/m ²	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 ≥ 1.5 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		
			After 1d:	After 7d:
Shore hardness	DIN EN ISO 868	VIASOL PU-S691 P	D50	D70
		VIASOL UREA S6400 P	D65	D75
Adhesive tensile strength	DIN EN ISO 4624	> 2,5 N/mm ² (concrete failure)		
Impact strength	EN 13813, tested acc. EN ISO 6272-1	\geq IR4		
Abrasion resistance (Taber)	DIN ISO 9352	VIASOL PU-S691 P: <1400 mg VIASOL UREA S6400 P: < 1100 mg (H22, 1000 cycles)		
Chemical resistance	EN ISO 2812-4	Resistant against (among others): - Petrol (DIBt medium group 1) - Diesel/Heating oil (3) - Sulfuric acid 20% (10) - Detergent 50% (14)		

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 or contact us directly) – all technical information is subject to change without prior notice.

Manufacturer: