





VIASOL System Data Sheet

VIASOL *EXPRESS aio*

Fast- and low-temperature-curing, slip-resistant polyaspartic coating, for light to medium chemical and medium mechanical loads with a wide colour spectrum and various surface structures. All operations with the same product - all-in-one (aio)

SYSTEM BUILD-UP

-  Pigmented sealer:
VIASOL PU-S691 P
-  Broadcast layer:
VIASOL PU-S691 P, broadcasted with
quartz QNV
-  Primer for cementitious substrates:
VIASOL PU-S691 P
-  Substrate: Concrete, cementitious
screed and other

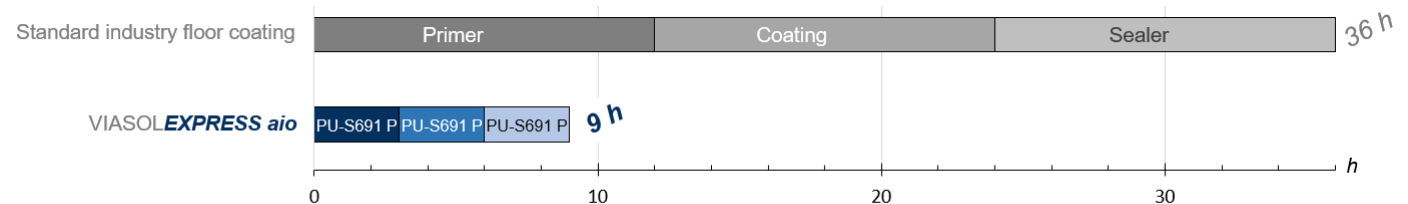
SYSTEM THICKNESS

1,0 – 2,5 mm



SYSTEM TIMELINE

Duration until system being walkable (application & curing) *



*Assumed application conditions: 15°C, 40% rel. humidity, 200m² area (ca. 1h application per operation)

SYSTEM BENEFITS

- **aio – all in one:** Only one product at the job site
- Application and curing within one day
- Low temperature curing, application from 5°C
- Early water resistant after 3 h
- UV and colour stable
- Available in many colours
- Low odour
- Solvent-free
- Defined slip resistance R10 – R12 by adjusting the broadcasting medium and application
- Certified low flammable 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



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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	0,5 – 1,0	-	0,35 – 0,8	Rubber squeegee, roller
Broadcasting layer with quartz QNV	VIASOL PU-S691 P	0,7 – 1,0	QNV2-ad (0,3 – 0,8 mm) or QNV3-ad (0,6 – 1,2 mm) in surplus	1,0 – 1,8	Notched trowel
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 – 0,3 (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
Shore hardness	DIN EN ISO 868	After 1d: D50 After 7d: D70
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	\leq 700 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: