




VIASOL System Data Sheet

VIASOL *EXPRESS urea*

Fast- and low-temperature-curing polyurea coating, for light to medium chemical and medium mechanical loads with a wide color spectrum, a particularly thin system build and a smooth surface.

SYSTEM BUILD-UP

-  Pigmented sealer:
VIASOL UREA S6400 P
-  Primer for cementitious substrates:
VIASOL UREA S6400 P
-  Substrate: Concrete, cementitious screed and other

SYSTEM THICKNESS

0,5 – 1,2 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)

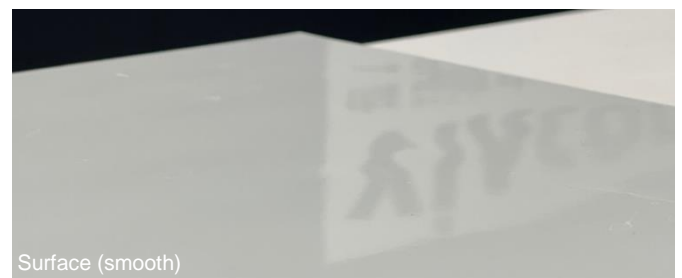
SYSTEM BENEFITS

- Application and curing within one day
- Low temperature curing, application from ab 5°C
- Early water resistance after nach 3 h
- UV and colour stable
- Low odour
- Solvent-free
- Available in many colours
- Exceptionally thin system build-up
- Certified low flammable B_{fl}-s1

APPLICATION FIELDS

Subordinate industrial areas such as

- technical rooms
- storerooms
- ...



Manufacturer:

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APPLICATION AND CONSUMPTION

| Layer | Product | Consumption (kg/m ²) | Broadcasting (kg/m ²) | Thickness (mm) | Application |
|------------------|--|----------------------------------|-----------------------------------|----------------|---|
| Pigmented sealer | VIASOL UREA S6400 P | 0,4 – 1,0 | - | 0,3 – 0,8 | Notched trowel, rubber squeegee, roller |
| Primer | VIASOL UREA S6400 P | 0,3 – 0,8 | - | 0,2 – 0,6 | 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 $< 4 \text{ \%CM}$, 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, gemessen nach EN ISO 6272-1 | $\geq \text{IR4}$ |
| Abrasion resistance (Taber) | DIN ISO 9352 | $< 500 \text{ mg}$ (H22, 1000 cycles) |
| Chemical resistance | EN ISO 2812-4 | Resistant against (among others): <ul style="list-style-type: none"> - 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: