

## FLOORFINDER WATERPROOF urea-hybrid 21-60

Fast-curing, spray applied polyurethane-polyurea waterproofing membrane system, highly elastic, with dynamic and statical crack bridging properties (class B4.2 at -20°C) for weathered surfaces. Tested according to DIN EN 1504-2.

### Application Fields

Weathered and UV exposed areas

“Cut and Cover” tunnel, podium decks

Fire water basins and retention basins

Earth covered concrete ceilings such as tunnel portals

Rain water retention basins

## SYSTEM BUILD UP

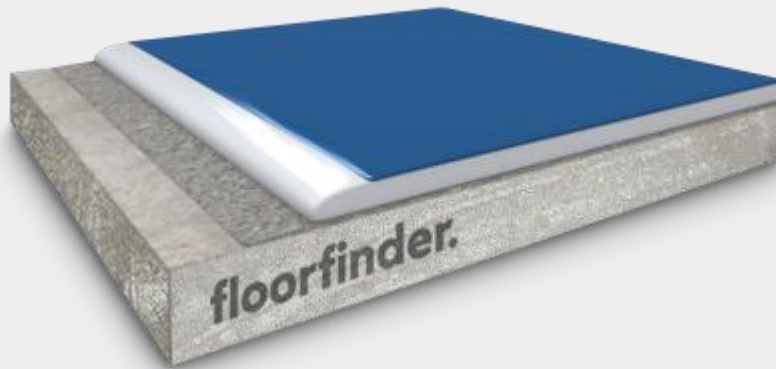
**FLOORFINDER**  
UREA HYBRID 21/60

WATER-PROOFING  
MEMBRANE



**FLOORFINDER**  
EP-T703

PRIMER



**FLOORFINDER**  
PU-S690P

SEALER



**FLOORFINDER**  
PU-P255

ADHESION  
PROMOTER



## SYSTEM HIGHLIGHTS

2.0 – 3.5 mm System thickness



Seamless and jointless



High abrasion resistance



Fast and cold temperature curing



Chemically resistant e.g. against oil, petrol, diesel, de-icing salt



UV Resistance  
PU sealer



High statical crack-bridging  
(B4.2, -20°C)



## FLOORFINDER **WATERPROOF hybrid 21-60**

### Application and Consumption

| Layer                                                       | Product                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Consumption (kg/m <sup>2</sup> ) | Sand broadcasting (kg/m <sup>2</sup> ) | Thickness (mm) | Application                 |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------|----------------|-----------------------------|
| Sealer<br>UV and color stable, fast curing, coloured        | FLOORFINDER PU-S690 P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 – 2-layer,<br>0,2– 0.5 each    | none                                   | 0.15 – 0.7     | Squeegee, roller for finish |
| Alternative: Sealer,<br>UV and color stable, coloured       | FLOORFINDER PU-S650                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 – 2-layer,<br>0,12 – 0.13 each |                                        | 0.10 – 0.22    |                             |
| Alternative: Sealer,<br>UV and color stable, matt, coloured | FLOORFINDER PU-S6000 P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 – 2-layer,<br>0,12 – 0.13 each |                                        |                |                             |
| High elastic, spray applied waterproofing membrane          | FLOORFINDER HYBRID 21/60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2.1 – 2.4                        |                                        |                |                             |
| Adhesion promoter (recommended)                             | FLOORFINDER PU-P255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.06 – 0.10                      | none                                   | -              | Roller, airless spray       |
| Optional:<br>Scratch coat, levelling layer                  | FLOORFINDER EP-T703 (S)<br>+ QS 0,1-0,4 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.5 – 1.5<br>+ QS 25–100 %       | QS (0.3-0.8 mm)<br>In excess           | 0.5 – 1.5      | Notched trowel, roller      |
| Primer, fast curing                                         | FLOORFINDER EP-T703 S<br>FLOORFINDER EP-P203 S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.3 – 0.5                        | QS<br>(0.3-0.8 mm)<br>0.5 – 0.8        | ca. 0.3        | Rubber squeegee, roller     |
| Alternative: Primer                                         | FLOORFINDER EP-T703<br>FLOORFINDER EP-P203                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                  |                                        |                |                             |
| 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 $\geq 1.5$ N/mm <sup>2</sup> , 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 FLOORFINDER 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                                                        |
|--------------------------------------------|--------------------------|---------------------------------------------------------------|
| Crack bridging properties, dynamic (-20°C) | DIN EN 1062-7            | Class B4.2 (> 1,0 mm)                                         |
| Tensile strength                           | DIN 53503                | $\geq 16$ N/mm <sup>2</sup>                                   |
| Elongation at break                        | DIN 53503                | > 400 %                                                       |
| Adhesive strength at T <sub>NORM</sub>     | DIN EN 1542              | $\geq 3,7$ N/mm <sup>2</sup> ( $\geq 1,5$ N/mm <sup>2</sup> ) |
| Tear strength                              | DIN ISO 34-1             | 32,9 N/mm                                                     |
| Abrasion resistance (CS17)                 | DIN EN ISO 5470-1        | 21 mg /1000 U                                                 |
| Abrasion resistance (H22)                  | DIN EN ISO 5470-1        | 354 mg / 1000 U                                               |
| Water vapour permeability                  | DIN EN ISO 7783-1 and -2 | Class I 3 m (< 5 m)                                           |
| Water absorption coefficient               | DIN EN 1062-3            | < 0,007 kg/m <sup>2</sup> x h <sup>0.5</sup> (< 0,1)          |
| Root resistance                            | DIN 4062                 | No penetration of membrane                                    |
| Chemical resistance 23°C / 7 d             | DIN EN ISO 2812-1        | see test report KIWA P9498-E                                  |

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 FLOORFINDER data sheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue (see [www.floorfinder.com.my](http://www.floorfinder.com.my) or contact us directly)- all technical information is subject to change without prior notice. FLOORFINDER 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.

#### Distributor:

Goodspeed America Inc., 24624 Interstate 45 North, Suite 200 • Spring, Texas 77386, U.S.A. | [bstorey@goodspeed-america.com](mailto:bstorey@goodspeed-america.com) | [www.goodspeed-america.com](http://www.goodspeed-america.com)

#### Manufacturer:

FLOORFINDER ASIA SDN. BHD. – A division of VIACOR VISION AG, SWITZERLAND | No. 28, Lorong Sungai Puloh 1A/KU6 | Jalan Sungai Puloh | Batu 5 3/4 Kapar | 42100 Klang | Selangor Darul Ehsan | Malaysia | Tel: +603 3290 7644 | [info@floorfinderasia.com](mailto:info@floorfinderasia.com) | [www.floorfinderasia.com](http://www.floorfinderasia.com)