

## FLOORCRETE *UD heavy duty*

Heavy duty, mechanically and chemically highly resistant polyurethane concrete as a mortar coating with very high resistance to thermal shock, low odor and low emissions, solvent-free, with jointless, matt and non-slip surface. Available in different colours.

### Application Fields

Dairies and cheese production

Food and beverage industry

Chemical production sites

Chemical production sites

Meat, poultry and fish production

Wet production and working areas

Refrigerated and freezer rooms

Warehouses and distribution centers

## SYSTEM BUILD UP



## SYSTEM HIGHLIGHTS

6.0 – 9.0 mm System thickness



HACCP  
International certified



Anti-microbial



Low emission  
acc. AgBB and  
other standards



Early water  
resistant



Suitable for  
permanent  
wet load



High thermal  
shock resistance



Slip Resistant  
R10



Low odor



## FLOORCRETE *UD heavy duty*

### Application and Consumption

Layer	Product	Consumption (kg/m <sup>2</sup> )	Sand broadcasting (kg/m <sup>2</sup> )	Thickness (mm)	Application
PU-Mortar	FLOORCRETE PU-UD	ca. 2.3 per mm	-	6.0 – 9.0	Pin rake, trowel, screed box, paint roller
Optional: Levelling layer	FLOORCRETE PU-SC	ca. 1.68 per mm	-	1.0 – 2.0	Rubber squeegee, notched trowel
Primer	FLOORCRETE PU-SC or others	ca. 0.8 – 1.0	OS (0.3-0.8 mm) ca. 0.5 – 0.8 (recommended)	ca. 0.5	Trowel, Squeegee
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> . FLOORCRETE can be laid on 7-day old concrete (this to a residual moisture content of approx. 6-8% (CM)) or on 2 - 3 days old polymer-modified cement screed. For permanent rising water, please contact our technical service. 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
Slip resistance	DIN 51130	R10
Shore hardness	EN ISO 868	D 80 after 28 days
Impact resistance	EN 13813	$\geq 4$ Nm (IR4)
Temperature resistance		- 15°C - + 100°C (6 mm) - 45°C - + 120°C (9 mm)
Coefficient of thermal expansion	ASTM C531	$5.8 \times 10^{-5}/^{\circ}\text{C}$
Wear resistance (Taber)	EN ISO 5470-1	$\leq 25$ mg
Compressive strength	EN 196 / ASTM C109	approx. 58 N/mm <sup>2</sup>
Flexural strength	EN 196 / ASTM C109	approx. 20 N/mm <sup>2</sup>
Tensile strength	EN 196 / ASTM C109	approx. 10 N/mm <sup>2</sup>
Adhesive strength	EN ISO 4624	min. 1.5 N/mm <sup>2</sup> (depending on substrate)
Bacterial cleanability	Campdon Test TES-MB 216	Good cleanability
Fire behaviour	EN 13501-1	B <sub>fl</sub> -s1
Anti-microbial	Japanese Industrial Standard JIS Z 2810:2000	After 60 wash cycles 99.9% microbial growth reduction

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.

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