### DIAMONDCRETE



## **DIAMONDCRETE** HF high-temp

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

Commercial kitchens

Chemical production sites

Meat, poultry and fish production

Catering

Warehouses and distribution centers

Refrigerated and freezer rooms

Wet production and working areas

#### System build-up

**DIAMONDCRETE PU-HF** 

PU-MORTAR

**DIAMONDCRETE PU-SC** 

**PRIMER** 



#### System highlights

6.0 - 12.0 mm System thickness



**HACCP-certified** 



Suitable for permanent wet load



High impact resistance



ISEGA certified for food handling



Thermal shock resistant between - 45°C and + 130°C



Early water resistant



Low emission acc. AgBB and other standards



Low odor



Anti-slip surface

#### System pictures









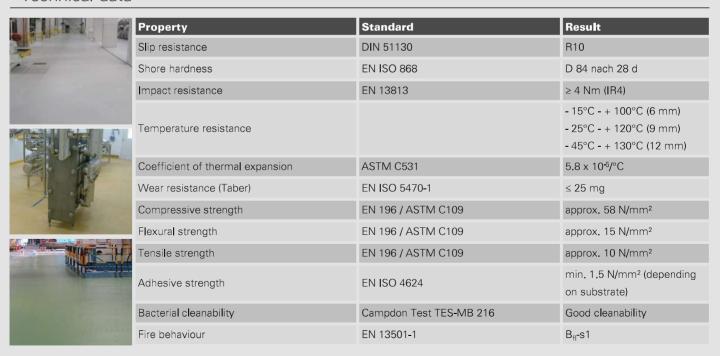


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### Application and Consumption

Layer	Product	Consumption (kg/m²)	Sand broadcasting (kg/m²)	Thickness (mm)	Application
PU-Mortar	DIAMONDCRETE PU-HF	13.0 – 25.5	-	6.0 – 12.0	Pin rake, trowel, screed box, paint roller
Optional: Levelling layer	DIAMONDCRETE PU-SC	ca. 1.65 per mm	-	1.0 – 2.0	Rubber squeegee, notched trowel
Primer	DIAMONDCRETE 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 $\geq 1.5\mathrm{N/mm^2}$ . DIAMONDCRETE 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 quartz sands and fillers.				
Note	Detailed application instructions are available upon request or refer to the technical product data sheet.				

#### Technical data



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 DIAMONDCRETE data sheets are updated on a regular basis it is the users responsibility to obtain the most recent issue by contacting DIAMONDCRETE. All technical information is subject to change without prior notice.

DIAMONDCRETE 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.