



## TECHNICAL DATA SHEET – DENSITOP® LT FOR AREAS WITH VERY HEAVY WEAR AND IMPACT OR WHERE THERE ARE STRICT HYGIENE REQUIREMENTS

Revised: 05/2018

### DESCRIPTION

Densitop® LT is a blend of a high strength cement-based dry mortar (Densitop® Basic) and aggregates (Densidur S2-5), that mixes with water to give a high strength mortar. Densitop® LT is applied as a 15-25 mm thick layer onto new or existing base concrete. Different colours can be obtained by adding selected pigment.

### SPECIFICATION

- The base concrete is prepared by planing, scabbling and water saturation.
- The Densitop® Basic dry mortar and Densidur S2-5 aggregates are mixed with water in a batch mixer.
- The mortar is laid and vibrated as a 15-25 mm thick layer.
- The surface is power-floated.
- Finally, the surface is sealed with Densit® Curing Compound.

CONSUMPTION	PER M <sup>2</sup>
Densit® Primer	1.25 kg
Densitop® Basic per mm thickness	1.21 kg
Densidur S2-5 per mm thickness	1.21 kg
Densit® Curing Compound	0.25 kg
Densidur 00	3-4 kg

### TECHNICAL DATA

The properties depend upon curing temperature. The data given are typical for curing at 20°C.

Impact strength can be improved by adding steel fibres and wear resistance and compressive strength can be improved by incorporating bauxite.

Slip resistance can be improved by sand saturation of the surface.

PROPERTIES	STANDARD	VALUE	1 DAY	7 DAYS	28 DAYS
Compressive strength - MPa	EN 12190		50	90	110
Flexural strength - MPa	EN 196-1		8	10	13
Wear resistance - cm <sup>3</sup> /50 cm <sup>2</sup>	EN 13892-3	6-7			
Freeze-thaw resistance - kg/m <sup>2</sup>	CEN TS 12390-9	< 0,07			
Impermeability	DIN 1048	Water penetration < 1 mm			
Slip resistance	DIN 51130	R 10/V 13			
Coefficient of expansion	EN 1770	$\alpha_c = 10 \cdot 10^{-6} / ^\circ\text{C}$			
Fire classification	EN 13501-1	A1 <sub>n</sub>			
Setting time - hours	EN 196-3	6-8			
Density - kg/m <sup>3</sup>	EN 12190	2500			
Cr <sup>6+</sup> - %		< 0.0002			