

Data sheet

DENSITOP® LT

- high wear, impact and slip-resistance

Densitop® LT is a slip-resistant flooring with extremely high resistance to wear and impact, and good chemical resistance. It is used in areas subject to very heavy wear and impact or where there are strict hygiene requirements.

CONSUMPTION	per m ²
Densitop® Primer	1.25 kg
Densitop® Basic per mm thickness	1.21 kg
Densidur S2-5 per mm thickness	1.21 kg
Densitop® Curing Compound	0.25 kg
Densidur 00	3-4 kg

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 stiff mortar.

Densitop® LT is applied as a 15-25 mm thick layer onto new or existing base concrete. Various colours are available.

SPECIFICATION

The base concrete is prepared by planing, scabbling, water saturation and priming.

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 Densitop® Curing Compound or by sand saturation with e.g. Densidur 00.

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 saturating the surface.

For further information, please refer to the TECHNICAL INFORMATION section of the catalogue, and the Densitop® Handbook.

PROPERTY	Standard	Value	1 day	7 days	28 days
Compressive strength (MPa)	EN 12190		50	90	110
Flexural strength (MPa)	EN 196		8	10	13
Wear resistance (cm ³ /50 cm ²)	DIN 52108	6-7			
Freeze-thaw resistance	SS 137244	Very good			
Impermeability	DIN 1048	Water penetration < 1 mm			
Slip resistance	DIN 51130	R 10			
Coefficient of expansion	EN 1770	$\alpha_m = 10 \cdot 10^{-6}/^{\circ}\text{C}$			
Electrical conductivity (Ωm)	Force method	10 ⁵ dry 10 ⁴ wet			
Setting time (hours)	EN 196-3	6-8			
Density (kg/m ³)	EN 12190	2500			

Densit 