

Densitop® ST

– a thin flooring with high strength for high wear and point loading areas

Densitop® ST consists of a high strength cement-based dry mortar that mixes with water to a free-flowing mortar.

Densitop® ST is applied as a 5-8 mm thick layer onto new or existing base concrete. Different colours can be obtained by adding selected pigment.

Consumption	per m ²
Densitop® ST dry mortar per mm thickness	2.38 kg
Densit® Curing Compound	0.25 kg
Densidur 00	3-4 kg

Specification

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

The Densitop® ST dry mortar is mixed with water in a batch mixer.

The mortar is laid in 5-8 mm thickness using guide rails.

The surface is spike-rolled.

Finally, the surface is sealed with Densit® Curing Compound.



In accordance with EN 13813: CT-C130-F15-A12-A1fl

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.

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		70	120	165
Flexural strength (MPa)	EN 196		12	18	24
Wear resistance (cm ³ /50 cm ²)	EN 13892-3	4-5			
Freeze-thaw resistance (kg/m ²)	CEN TS 12390-9	< 0,07			
Impermeability	DIN 1048	Water penetration < 1 mm			
Coefficient of expansion	EN 1770	$\alpha_c = 9 \cdot 10^{-8} / ^\circ\text{C}$			
Fire classification	EN 13501	A1fl			
Setting time (hours)	EN 196-3	5-7			
Density (kg/m ³)	EN 12190	2650			
Cr ⁶⁺ %		< 0.0002			

