

Densitop® MT

– for high wear and impact resistance that can be used in most areas exposed to wear and impact

Densitop® MT consists of a high strength cement-based dry mortar that mixes with water to an easily worked mortar. It can also be mixed from two components: Densitop® Basic mortar and Densidur Q5 aggregates.

Densitop® MT is applied as an 8-12 mm bonded screed onto new or existing base concrete.

Different colours can be obtained by adding selected pigment.



In accordance with EN 13813: CT-C100-F10-A9-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 and wear resistance and compressive strength can be improved by incorporating bauxite.

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

Consumption approx. per m²

Densitop® MT Ready Mix per mm thickness	2.26 kg
Densitop® Basic	1.70 kg
Densidur Q5	0.56 kg

Consumption per m²

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® MT dry mortar is mixed with water (or Densitop® Basic dry mortar is mixed with water and Densidur Q5 aggregates) in a batch mixer.

The mortar is laid and vibrated as a 8-12 mm thick layer.

The surface is spike-rolled.

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

Properties	Standard	Value	1 day	7 days	28 days
Compressive strength (MPa)	EN 12190		55	90	120
Flexural strength (MPa)	EN 196		8	12	17
Wear resistance (cm ³ /50 cm ²)	EN 13892-3	5.5-6			
Freeze-thaw resistance (kg/m ²)	CEN TS 12390-9	< 0,07			
Impermeability	DIN 1048	Water penetration < 1 mm			
Slip resistance	DIN 51130	R 10/R 13			
Coefficient of expansion	EN 1770	$\alpha_c = 10 \cdot 10^{-6} / ^\circ\text{C}$			
Fire classification	EN 13501-1	A1 fl			
Setting time (hours)	EN 196-3	5-7			
Density (kg/m ³)	EN 12190	2400			
Cr ⁶⁺ %		< 0.0002			

