



TECHNICAL DATA SHEET – DENSITOP® MT MT FOR HIGH WEAR AND IMPACT RESISTANCE THAT CAN BE USED IN MOST AREAS. EXPOSED TO WEAR AND IMPACT.

Revised: 05/2018

DESCRIPTION


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.

CONSUMPTION	APPROX. PER M ²
Densitop® MT Ready Mix per mm thickness	2.26 kg
Densitop® Basic	1.70 kg
Densidur Q5	0.56 kg

CONSUMPTION	PER M ²
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.

 In accordance with EN 13813:
CT-C100-F10-A9-A1_{fl}

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		55	90	120
Flexural strength - MPa	EN 196-1		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/V 13			
Coefficient of expansion	EN 1770	$\alpha_c = 10 \cdot 10^{-6} / ^\circ\text{C}$			
Heat resistance - C°		250			
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			