



UHPC Cast 3000

UHPC Binder with Silicon carbide ceramic

UHPC Cast 3000 is a two component UHPC castable concrete for wear protection projects.

UHPC Cast 3000 Binder and aggregate (Silicon carbide) are delivered in 25 kg paper bags, 1 to BigBag or 20 to silo trucks

Properties		
Density	kg/m ³ / lb/ft ³	2600 / 162
Hardness	Mohs	9
Compressive strength	MPa	150
Flexural strength	MPa	20
E-Module	MPa	60 – 70x10 ³
Max. service temperature	°C / °F	450 / 800
Shrinkage	%	0,2
Coeff. of thermal expansion	1/°C / 1/°F	10x10 ⁻⁶ / 5,6x10 ⁻⁶
Thermal conductivity	W/m°C	5

Material consumption at 20 mm

UHPC Binder+Quarzsand	52 kg/m ²
UHPC Curing Compound	0,2 l/m ²

A shaft or paddle mixer must be used for mixing the UHPC Cast 3000 binder material.

Additional Information

All technical information contained in our literature or otherwise transmitted, is given in a good faith, based on test data and experience. Whilst normal handling and application techniques associated with cementitious materials should be observed, we are pleased to give advice on particular applications and site conditions. However we can not be responsible for any loss or damage arising from individual site conditions of application beyond our control