



### Usage

HPC 100 is a high performance and self-compacting concrete. It is suitable where high requirements of strength and/or thin constructions are required. The concrete is thixotropic, which means it has a lower form pressure.

HPC 100 gives a very good frost resistance due to its compactness and low water-to-cement ratio. HPC 100 is sulphate resistant, and thus, suits very well in acid and salt environments such as piers.

### Mixing instructions

Fill half the amount of HPC 100 in a twin-shaft mixer. Add the total amount of water and the plasticiser (according to its instructions) and mix for 1 minute. Divide the remaining HPC 100 in three parts and add each part with 1-2 minutes of mixing. Wait for 1 minute and then mix for 2-3 minutes until the thixotropic stage is reached. Note that too high proportion of water gives lower strength and water separation of the concrete.

### Storage

The ballast can be stored for 6 months under dry conditions. The cement has a shorter life span if stored under humid conditions.

TECHNICAL DATA	HPC 100
BINDER	Cement
ADMIXTURE/PLASTICISER	GLENIUM ACE 30, 0, 6 - 0.7% of dry mix
BALLAST	0 - 6 basefit
COMPRESSIVE STRENGTH AT 28 DAYS	120 Mpa
TENSILE STRENGTH	14 Mpa
WATER-TO-CEMENT RATIO	About 0.3
AMOUNT OF WATER PER 100 KG BALLAST	7.5 litre
DENSITY AT 28 DAYS	2.7
FROST RESISTANCE	Good, due to low water-to-cement ratio, low permeability
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COLOR	Grey