



Technical Data Sheet

OC 17 - Anti Freeze

Art.-No. 2 05502

Curing accelerator for concrete and cement mortars

Properties:

- Chloride-free, liquid admixture
- Protection against frost damages as low as -10 °C
- Suitable for cementitious concretes and mortars

Areas of application:

OC17 is used to accelerate concrete hardening and is therefore suitable for concrete works in temperate climates and during the winter season. It can also be used for achieving high early strength cementitious mortars and screeds.

Technical Data:

Basis:	inorganic salts
Colour:	clear
Form:	liquid
Density (+25 °C):	1.43 g/cm ³
Packaging:	10 kg, 5 kg, 1 kg cans
Processing Temp.:	-10 °C - +25 °C
Storage:	cool and dry, 24 months
Consumption:	
Concrete:	max. 1 % of cement content
Cementitious mortar:	max. 2 % of cement content

Product preparation:

OC17 may be added to the gauging water according to the dosage amounts as stated above or with water into the mixer at the same time.

Important advice:

The regulations for concreting in the winter are to be strictly observed. In order to obtain the best possible results with the antifreeze agent the following should be regarded:

1. The temperature of the aggregates (water and cement) should always be greater than +2 °C. If necessary, hot gauging water should be used. The temperature of the fresh concrete must not be below +5 °C

2. Choose a water cement ratio as low as possible in order to keep the percentage of water to a minimum.
3. After the addition of OC 17 the cement hydration process is accelerated. Therefore long transport ways and small transport containers are to be avoided. Immediately after pouring the concrete or mortar is to be protected with straw mats, foils etc. to avoid the heat from escaping too quickly.
4. The product contains Calcium Nitrate. For use in reinforced or pre-stressed concrete please refer to local standards and/or regulations.
5. The use of this type of admixture - regardless of brand name - does not replace existing regulations in winter.

Please adhere to valid European Materials Safety Data Sheet (MSDS)!