

Tekno ACC

Setting Accelerator Concrete Admixture



Product Description	New generation hardening accelerating concrete and mortar additive. It improves the early strength of the concrete without affecting the final strengths and does not contain chlorine.
Areas of Usage	 It can be used in the case of reinforcement because it does not contain chlorine, Where concrete and mortar are wanted to be set, In cases where light frost effects continue throughout the day Can be used very high early strength demands of 6-24 hours in concretes with a temperature between + 5°C and + 25°C in ready mixed concrete plants,
Features and Benefits	 As a result of reactions of cement in fresh concrete, it accelerates the initial formation of aluminate and silicate gels. It accelerates the hydration of fresh concrete and enables fast concrete to harden and gain strength. TEKNOACC can normally be used with superplasticizer additives. The addition of TEKNOACC does not change the positive effects of superplasticizers (fluidisation and curing behavior, etc.). Thanks to a fast setting, it saves time in places where it is thought to take mould early and also provides savings because it reduces the application temperature and duration.
Application Instructions	It should be preferred when screed, plaster or concrete is to be cast where the ambient temperature is highest. Noon hours are the best time to do this application. Additional precautions are necessary to be taken in advance to protect the surface from frost, rain, dew and rime. TEKNOACC is used by adding to the product mixture water in concrete or to low-mix fresh concrete by mixing directly. When added directly to fresh concrete, the mixing duration is increased by 3 minutes at high speed to ensure homogeneity. Before concrete is emptied, it should be visually checked that it has a homogeneous consistency. It is recommended to use TEKNOFLOW 100 together by hand or mortar machines to increase the flow while screeding.



Application Notes / Restrictions	 During the application of the product, work clothes suitable for occupational health and safety rules should be worn. Suitable glasses and mask should be used. The mold and reinforcement must be protected against water, snow and ice, and if necessary preheated to a minimum of 0°C. If possible, wooden molds must be used instead of steel molds. Cements with high clinker ratio should be preferred instead of using blended cement. Molds should be insulated against temperature losses. The fresh concrete temperature should be at least 5-15°C depending on the ambient temperature and the thickness of the concrete casting. The loss of temperature and moisture should be avoided by covering or isolating the concrete and the concrete must be protected very tightly until reaching the strength limit of 4-5 N / mm² If TEKNOACC is frozen in barrel, it should be thawed and mixed in a place with high ambient temperature. It should not be contacted directly with fire. At the end of thaw, the product features do not change. In using TEKNOACC, local materials should be tried and appropriate mix of concrete should be taken into consideration TEKNOACC should not be added to dry cement. TEKNOACC should be added with mixture water or added at the end of the mixing process. Before use, conformity tests should be performed. Hands should be cleaned thoroughly with water and detergent before concrete or mortar is fully
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Technical Data

General Information		
Chemical Structure	Mixture of organic and inorganic substances	
Color	Yellowish Clear Liquid	
Density	1,40 (± 0,05) kg/lt	
Packaging	35 kg bin	
Consumption	0.5% to 2.0% of the cement weight	
Shelf Life	12 months in unopened original packaging	
Freezing Point	-15°C	
PH	6-10	
Chloride Amount	< 0.1% Chlorine free	

Technical data are approximate values obtained from the laboratory study of Tekno Construction Chemicals for finished products obtained at +20°C air temperature and 50% relative air humidity.