

EUCOGEL
Antifrost admixture for concrete

Description	EUCOGEL is an Antifrost admixture based on selected raw materials to allow to place concrete in severely cold weather .	
Main Purpose	EUCOGEL gives protection against the classical frost damages where the free water in the concrete freezes resulting ice pressure breaks the concrete apart and disturbs the normal hydration .	
Advantages	EUCOGEL lowers the freezing point of mixing water and accelerates setting of cement .It gives protection to concrete of min. . 20 cm thickness against frost damages down to -10oc . EUCOGEL contains no chlorides .	
Standards	Complies with DIN and SIA Standards	
Properties	Appearance	liquid
	Specific gravity	1,15
	Chloride content	nil
	Air entraining	less than 25% at normal dosage range
	Compatibility with cement	all types of Portland cement
	Shelf life	up to 2 years
Dosage	The optimum dosage should be determined by site or laboratory tests with the particular concrete mix . The rate of addition is generally in the range of : 1,0 - 2,0 % of the cement weight 0,5 - 1,0 liter per bag of 50 kg cement EUCOGEL is added with the mixing water to the concrete	
Remarks	EUCOGEL does not under any circumstances replace good winter concreting practice. The concrete must be protected against cooling, and especially against wind. In order that EUCOGEL can exert its influence, the concrete after compaction must have a temperature of at least 5oC . A concrete can be regarded as safe against frost, when it has reached a strength of approx. .80 kg/cm ² . After reaching this level, a concrete, although frozen and therefore not increasing in strength, will not suffer any frost damage. As soon as the temperature rises, the hardening process will start up again .	
Packing	In 200 kg drums .	

