X-CAL-H

WATER-REPELLENT OF MASS FOR CONCRETE AND MORTARS.

It's a water-repellent with plasticizing effect to waterproof concrete and mortars. X CAL H is a mixture of several metallic soaps that has been designed to last long to waterproof and to resist all kinds of decomposition phenomenon.

USES

The use of X CAL H is essential to waterproof concrete walls, tanks, swimming-pools, basements, floors, terraces, façades, canals and all kinds of concrete which is subjected to strong moisture or is permanently in contact with water. In roads construction X CAL H avoids the fissures caused by the frost because it gives a water-repellent road surface.
0.2% is enough to avoid cement and other materials forming a mass under the moisture influence. It is the only water-repellent agent which is also an excellent anti-taking agent

SURFACE PREPARATION

The product is mixed previously with a little part of the mixing water and afterwards the mixture is poured into the concrete mixer. A lower dosage than the specified gives only the plasticizing effect but not the water-repellent.

INSTRUCTIONS FOR USE

It is very important to mix intensely the water-repellent X CAL H at least during 5 or 8 minutes. If this recommendation is not followed the water-repellent agent remains free among the mixture particles and the mixture surface remains unblocked to the moisture. If the mixture is irregular it will be necessary to add a higher quantity of the water-repellent agent to obtain the same results as if the mixture had been mixed intensely.

CONSUMPTION

The recommended dosage of X CAL H is 0.5% over the weight of the cement.

COLOUR

Yellowish.

PACKING AND STORING

El X-CAL-H is presented in hermetic barrels, according to EC packing and storing directives for chemical products..

HYGIENE AND SAFETY

It does not need special precautions.
Professional use.

Specifications			
Principal function:		Water-repellent	
Secondary function		Plasticizer	
Aspect:		Opaque liquid	
Colour:		Yellowish	
Halogenure content UNE 83.210:		1280,6 mg/g additive	
PH UNE 55542:		11,5 ± 1	
Specific weight at 20°C UNE 83.225:		1,04 g/cm3	
Dry residuum at 120°C:		50,0±2,0%	
Sieve bounce 325 MESH:		0 - 0,2%	
Resistance to compression variation in mortars (UNE 80.101)			
Constant water:		Constant consistency:	
3 days	98,1%	3 days	98,1%
7 days	98,6%	7 days	98,6%
28 days	99,3%	28 days	99,3%
90 days	97,8%	90 days	97,8%