

Deltaseal Admix

Liquid concrete additive for crystalline waterproofing

Description

DELTA SEAL ADMIX is an aqueous mixture of multi compounds used as a liquid additive for waterproofing concrete structure. It can be added at the batching plant or in the concrete transit mixer. Unlike powder additives it prevents lump formation, resist alkali silica reaction and waterproof concrete. During the concrete curing it forms fine crystalline fibers within the capillaries. The crystalline fibers reduce the diameter of the concrete pores and therefore eliminate water migration in the concrete structure. Treated concrete is permanently watertight.

Primary Uses

DELTA SEAL ADMIX is especially suitable for water impervious concrete in construction such as e.g. floor slabs, foundations, precast units, covered car parks, water retaining basins, water sewerage works, swimming pools, subterranean canals etc.

Advantages

- Waterproofing material for water impermeable concrete.
- Increases the resistance to aggressive influences.
- Liquid additive, No lumping.
- Prevents moisture damage.
- Permanent active protection against moisture.
- Increases the life span of building.
- For interior and exterior application.
- Seals subsequent cracks upto 0.4 mm.
- Maximum water: cement ratio 0.55

Typical Properties

Basis:	Liquid	
Colour:	Clear to Hazy	
Specific Gravity	1.16 g/ cm ³	
pH value	11.5	
Application Temperature:	+5°C to + 30°C	
Chloride Ion		
Penetration: ASTMC 1202-92	< 2000 Columbs	
Freeze/Thaw		
Durability		
(3000 cycles) ASTMC 666-92	94 % Durable	

Product Peroration

Shake DELTA SEAL Admix well before use to ensure homogeneity. Before addition carry out an inspection on the concrete formulation as well as the water: cement ratio < 0.55. Add DELTA SEAL ADMIX in accordance with the dosage recommendations. It is assumed that the aggregates are flawless. The working life after the mIX is approx. 45 minutes. When using Portland cement of type II or type III the addition of retarder is necessary. Carry out relevant pre trials.

Types of addition

- Pre cast concrete factory.
Add the recommended dosage of DELTA SEAL ADMIX to the water or to the prepared concrete mix.
- Concrete mixing truck. Deliver DELTA SEAL ADMIX to the building site. Add 2-3% DELTA SEAL ADMIX

Dosage

2% by weight of cement when Water: cement factor is < 0.45
3% by weight of cement when Water: cement factor is > 0.45

Packaging

25 Kg. and 200 Kg.

Storage and Shelf Life

Twelve months frost free in the original unopened container. Use opened packaging promptly.

Important Advice

- Before using DELTA SEAL Admix carry out appropriate trials.
- Aggregates must conform to a steadily climbing particle size distribution curve
- It is recommended that appropriate trials be carried out when using other concrete additives.
- Concretes with DELTA SEAL ADMIX must be produced, applied and post treated in accordance with current valid standards.
- DELTA SEAL ADMIX does not promote corrosion and does not have a negative effect on reinforcement.
- Protect areas not to be treated with DELTA SEAL ADMIX from its effects.



**Delta Coatings
& Sealants**