Product Information

ATM-500

Product description:
BITUMIX ATM-500 is a factory-made additive designed for effective concrete waterproofing. BITUMIX ATM-500 also increases strength and reduces the risk of shrinkage cracks in the poured concrete. BITUMIX ATM-500 is mixed into the newly mixed concrete at the ready-mix plant or directly in the concrete lorry at the construction site. BITUMIX ATM-500 works continuously, preventing moisture from penetrating the concrete by producing a catalytic chemical reaction in the capillary concrete pores.

Benefits:
- User-friendly
- Stops water from penetrating the concrete
- Works for the entire life of the concrete
- Mixes directly in the newly mixed concrete
- Improves the concrete’s pumpability

BITUMIX ATM-500 reduces shrinkage cracks by up to 60% and reduces the need for adding mixing water by 2-5%. BITUMIX ATM-500 will continually improve the water-tightness of the concrete and protect it from water penetration through the capillary pores and microfissures. Pre-mixed concrete with BITUMIX ATM-500 will also have improved pumping properties.

Use:
BITUMIX ATM-500 is mixed into the wet concrete at the ready-mix plant or directly in the concrete lorry at the construction site. The dosage is 1 kg per m³ of concrete. BITUMIX ATM-500 is not intended for concretes with less than 300 kg cement per m³. Over dosage will result in greater water reduction and can also have a retardive effect. BITUMIX ATM-500 can increase the air content by approx. 1-2% without resulting in a loss of concrete strength. BITUMIX ATM-500 can be used in pre-mixed concrete for swimming pools, tunnels and metro systems, parking garages, sewage works and purification plants, water-towers and reservoirs, pipes, bridge flooring and concrete walls and floors.

Mixing:
BITUMIX ATM-500 can be added at the ready-mix plant together with the additives or directly in the concrete lorry at the construction site and then mixed for approx. 10 minutes at high speed. Do not add water afterwards. The finished concrete mix must be poured within 45 minutes. BITUMIX ATM-500 will normally prolong the concrete’s workability.

Curing:
The concrete surface must, to the degree possible, be kept moist with pure water for the entire hardening period.

Product data:
Manufactured for Bitusal ApS by:
Marlon Tørmørtel A/S
Virkelyst 20, DK-8740 Brædstrup

Material type:
Waterproofing additive.

Colour:
White.

Dry matter:
100%

pH value:
13.

Dosage:
1 kg per m³ concrete.

Packaging type:
20 kg plastic tub.

Storage:
12 months in dry and suitable conditions in unopened packaging.

References:
Applicable safety data sheets can be downloaded from Bitusal.dk

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