CONCRETE ADMIXTURE

ADCON AIR B 090

Stable surfactant-based air-entraining agent with increased active ingredient concentration

APPLICATION:

» Concretes with high freezing andde-icing salt resistance

» Ready-mix concrete

» Precast plants

ADVANTAGES:

» Increased freezing and de-icing salt resistance

» High stability of the micro-air voids

» Reliable air-entrained concrete production

» Optimized air pore system

» Reduced capillary absorbency

» Compatible with the 3CS® AdCon concrete admixtures

» Economical dosing thanks to the high efficiency

PRODUCT DESCRIPTION

3CS® AdCon AIR B 090 is an air-entraining agent for concrete in accordance with ÖNORM EN 934-2 Table 5 (air-entrained concrete). The air voids artificially created with **3CS® AdCon AIR B 090** provide pressure relief to reduce the hydraulic pressure created when the pore fluid freezes. **3CS® AdCon AIR B 090** is compatible with all concrete admixtures of the **3CS® AdCon** range. **3CS® AdCon AIR B 090** allows air-entrained concretes to be produced reliably.

PROCESSING

Add **3CS® AdCon AIR B 090** directly to the mixing water in the concrete mixer or dose at the same time with the mixing water addition. To optimally exploit the potential of the air-entraining agent, the concrete temperature should be above 10 °C, and a sufficient mixing time should be observed.

Air-entrained concrete generally depends on the fresh concrete temperature, concrete mix design, consistency of the starting materials and the mixing time. High air void contents have a negative effect on compressive strength. Preliminary tests are recommended. Air-entrained concrete should be checked regularly by trained personnel to adjust the dosage in the concrete if necessary.

ADVANTAGES

Concretes produced with **3CS® AdCon AIR B 090** feature considerably increased resistance to frost and de-icing salt. The fresh concrete is also easier to process as the micro-air pores increase the slip properties and the concrete can therefore be installed and compacted more easily. The result is a homogeneous concrete mix that is more stable against segregation and bleeding of the concrete.

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STORAGE CONDITIONS

Storable for at least 12 months in the original sealed container at temperatures from +5°C to +30°C. Store in a dry place and protect from direct sunlight, frost and contamination. Homogenization is recommended after extended storage periods. Slight differences in color due to batch production or UV radiation are possible, but have no influence on the effect of the product.

SAFETY INSTRUCTIONS

Please observe the hazard warnings and safety advice on the labels and in the safety data sheets.

TECHNICAL SPECIFICATIONS

COLOUR	Yellowish-orange, clear
STATE	liquid
DOSAGE	0.10 - 0.80 M-% of the cement weight
DENSITY	approx. 1.00 g/cm³

ARTICLE NUMBER	UNIT	PACKAGING UNIT
B207012104251	kg	1,000 kg IBC
B207012104261	kg	200 kg drum
B207012104282	kg	25 kg can

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