Air-entraining agent for the concrete industry

AIR-ENTRAINING AGENT 2 (LP)

Art. – No. 03.110.

APPLICATION AREA:

- For the production of concrete and wall mortar with high resistance to the exposure of frost and de-icing salt as well as for cement bonded application surfaces for road construction.
- For the production of water, bridge, tunnel, and road construction structures.
- The application of MTC air-entraining agent 2 (LP) is used to improve the characteristics of unset and hardened concrete.

CHARACTERISTIC:

MTC air-entraining agent 2 (LP) facilitates

- Increased resistance to the exposure of frost and de-icing salt.
- an increase in the settling properties through the ball bearing effect of closed and spherical micro air pores.

TECHNICHAL SPECIFICATIONS:

Raw material base:	Resin soaps
Color:	brown
Form:	liquid
pH – value:	10,0 ± 1,0
Density (at 20 °C):	1,00 ± 0,02 g/ml
Chlorine content:	≤ 0.10 M-%
Alkali content:	≤ 8,5 M-% (as Na_2O-equivalent)
Valid solids content:	2,3 – 2,9 M-%
Settling temperature:	over + 5 °C
Shelf life:	approx. 12 months - do not expose to sunlight or frost during storage

DOSAGE:

Recommended dosage range:	0.3 – 0.9 M-% of the cement weight. The required amount of additive is based on the concrete characteristics in demand and must be determined during an initial test in accordance with DIN EN 206-1.

PROCESSING INFORMATION:

- The dosage of MTC air-entraining agent 2 (LP) should take place at the factory with the last third of the mixing water or after it is completely added.
- Make sure that sufficient mixing time is allocated. Air-entrained concrete must be mixed longer than normal concrete during the production process in order to enable sufficient time for the activation of the air-entraining agent.
- Please observe the standards outlined in DIN EN 206-1 and DIN 1045-2 when using concrete additives. Depending on the required explosion class according to DIN 206-1, air-entrained concrete is subject to special supervision standards.

VERIFICATION OF SUITABILITY / CERTIFICATION:

- complies with DIN EN 934 – 2 table 5: Air-entraining agent
- complies with DIN V 18998
- applicable in concrete with alkali sensitive aggregate according to DIN V 20000-100, Section 8.2
- complies with the requirements of ZTV-ING
- certification number of the air-entraining agent: 0672 – BPR – I 11.02.1

WORK SAFETY:

- not a hazardous material according to the ordinance on hazardous substances
- not a hazardous material in terms of the transportation guidelines
- WGK 1 (self classification) low hazardous to waters
- observe the safety data sheet

FORM OF DELIVERY:

30 kg	PVC – can bfn
210 kg	Poly-drum bfn
1000 kg	Container net

Tanker truck delivery on request

NOTE:
Always observe general work hygiene when using our products. The raw materials we process and the products we produce are subject to strict factory inspections. We reserve the right to make changes that signify a technical advance. All the information applies to the normal case scenario, and has been given to the best of our knowledge. We cannot be held legally liable as a result of the information included in this leaflet. It is stressed that our products and the procedure must be tested for suitability with your circumstances. EFFECTIVE: 07/11

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