



Air-entraining agent for the concrete industry

MULTIPHOB H5 Type I

Art. – No. 07.101.

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 MULTIPHOB H5 Type I is used to improve the characteristics of unset and hardened concrete.

CHARACTERISTIC:

MULTIPHOB H5 Type I 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.

TECHNICAL SPECIFICATIONS:

Raw material base:	synthetic tensides
Color:	green/white
Form:	liquid
pH – value:	8,0 ± 1,0
Density (at 20 °C):	1,0 ± 0,02 g/ml
Chlorine content:	≤ 0.10 M-%
Alkali content:	≤ 8,5 M-% (as Na ₂ O-equivalent)
Valid solids content:	7,0 – 8,6 M-%
Settling temperature:	over + 5 °C
Shelf life:	approx. 12 months - do not expose to sunlight or frost during storage

DOSAGE:

Recommended dosage range: 0.2 – 1.0 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 BS EN 206-1.

TECHNICAL DATA SHEET



PROCESSING INFORMATION:

- The dosage of MULTIPHOB H5 Type I 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 BS 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 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

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 - gfn
210 kg Poly drum gfn
1000 kg Container net
Tanker delivery upon 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: 07/15