



# AERBETON



## Aerating agent for concrete Chloride-free



### Technical Data

**Physical state:**

liquid

**Colour:**

amber

**Specific weight:**

about 1.02 kg/l

**Main chemical action:**

Aerating agent

**Rating:**

ASTM C 260

**Proportion:**

50 - 150 g per 100 kg of cement

**Storage:**

12 months

**Noxiousness level in compliance with 88/379 EEC:**

no

**Inflammability:**

no

**Customs code:**

3823/4000/0

**Available in:**


5-10-20-kg  
canisters



200-kg drum



1,000-kg tank



Loose in tank

### DESCRIPTION

AERBETON is an aerating additive suitable for mixing concrete resistant to frost and thaw. AERBETON is designed to introduce microscopic air bubbles of appropriate diameter into concrete with a special formula that maintains the ideal amount of trapped air. This product is chloride-free.

### APPLICATIONS

AERBETON may be used to increase durability in pre-cast and pumped concrete for street, airport, bridge, canal surfaces and hydroelectric structures as well as in lightweight aggregate concrete and all frost/thaw-resistant concrete.

AERBETON's plasticizing effect is quite practical for use with crushed rock or coarse-grained sand aggregates and in all lean concrete mixes.

### ADVANTAGES

- Increases mix cohesion and plasticity;
- reduces the W/C ratio;
- improves pumpability;
- reduces segregation, plastic shrinkage and water bleed;
- increases durability, offering higher resistance to frost and thaw as well as thawing salts.

### PROPORTIONS AND INSTRUCTIONS

AERBETON proportions vary from 0.05 to 0.15% depending on cement weight, or from 50 g to 150 g per 100 kg of cement. AERBETON traps air bubbles in concrete at a rate varying from 2 to 6%. Variation in the percentage depends on the type and quantity of fine aggregates, class and type of cement, W/C ratio and use of ultra-fine particles (fly ash, Pozzolana, etc.) as well as temperature.

It must be added to wet concrete paste, taking care to mix it at high speed for a few minutes or to the proper consistency before use.

### PACKAGING & STORAGE

- 10-20-kg canisters
- 200-kg drums
- 1,000-kg tank
- Loose in tank

If this product is properly stored in its original packaging in a dry sheltered place, its ingredients will remain intact for one year. Protect it from frost.

### SPECIFICATION ITEM

The concrete used for the works described in this specification should include the DRACO Italiana S.p.A.'s AERBETON, an additive that traps air bubbles to produce concrete resistant to frost and thaw as well as thawing salts.

AERBETON complies with the ASTM C 260 Type A standard. This additive should be used according to the manufacturer's recommendations. DRACO Italiana S.p.A. qualified personnel will provide customer support upon request.