

9.5 CONCRETE ADDITIVES

BETO-AIR



Njësia matëse	Copë/paletë	Konsumi	Ngjyra/specifikime të tjera
1 kg/bidon	10 cp/kuti	1-3 kg/25 kg produkt	E Bardhë
5 kg/bidon	4 cp/kuti	--	--
10 kg/bidon	60 cp/paletë	--	--



DESCRIPTION

BETOAIR is a liquid admixture with foaming action for entraining high volumes of air in cementations mixtures, especially recommended for producing easily pump able light-weight mortars and concretes.

FIELD OF APPLICATION

Because of its foaming action and its ability to form evenly spaced micro-bubbles of air in the cement matrix, BETOAIR produces light-weight, easily pump able mortars and concretes with high stability and cohesion. The reduced density of the cement matrix caused by the presence of air bubbles formed by BETOAIR prevents light-weight aggregates from floating to the surface.

BETOAIR is especially recommended for:

- Preparing mortars and concretes with natural and artificial light-weight aggregates (pumice, expansive clay, polystyrene) with high insulating capacity;
- Preparing high stability super-plastic mortars and concretes with a low modulus of elasticity and tensile strength for filling ground cuts after laying pipes;
- To make cellular concrete using special pumps to generate the right amount of flow of foam.

TECHNICAL CHARACTERISTICS

BETOAIR is a water solution of special organic polymers with strong foaming action developed by DAST for producing light-weight concretes and mortars with high stability and easy pump ability. BETOAIR is especially effective for producing aerated mortars and concretes for filling ground cuts after laying pipes.

Concretes made with BETOAIR:

- fill in cuts perfectly and also provide a perfect seal for pipe joins. The excellent results obtained in filling cuts with foamed concretes and mortars admixed with BETOAIR prevent the bleeding of water that usually occurs when loose earth or conventional concrete is used for fill;
- prevent the fill material from settling under the load of traffic passing over it. Foamed concretes and mortars produced with BETOAIR admixture adhere perfectly to the wall of the cut and are as solid as the sur-

rounding ground. Using BETOAIR prevents the settling that occurs when cuts are filled with gravel or conventional cementations mixtures, along with the resulting cracks in the bituminous road surface;

- can be easily removed during maintenance or substitution of pipes and cables. Because foamed concretes made with BETOAIR have only moderate resistance to tensile and shearing stress, the hardened material can be easily removed. Whether used for preparing insulating mortars or foamed concretes the foaming action of BETOAIR can be reduced by adjusting the amount used (1 to 2 liters per 100 Kg of cement). The collateral retardant effect of BETOAIR increases with the amount used. However, using more than 1.2 l/m³ of mix is not recommended, as this would excessively retard setting time.

TECHNICAL DATA PRODUCT IDENTITY

Consistency	Liquid
Color	Brown
Specific weight (g/cm ³):	1.10 ± 0.02
Dry solids content (%):	14
Principal action:	Foaming agent
Collateral action:	Retards early hydration when used in high doses
Chlorides:	No

CONSUMPTION

Dosage:

From 1 to 2 liters for 100 kg of cement.

PACKAGING

BETOAIR is available in 1 kg, 5 kg and 10 kg canister, and in 1000 kg tanks.

STORAGE

Store BETOAIR for 18 months in closed containers, protect from frost and exposure to direct sunlight weight.

