Synthetic Air

Air Entraining Admixture For Zero Slump Concrete

STP Limited

Description

Synthetic Air is a liquid admixture for entraining air in zero slump concrete. This material has been specially designed to produce adequate and stable air entrainment where other conventional air entraining admixtures are not effective.

Characteristics

Colour	Transparent	Specific Gravity	1.00 - 1.10
pH	7 - 8	Chloride Content	Nil

Application

- Structures
- Precast shapes
- Packer head pipe
- Mass placements
- Spun pipe

Advantages

- Produces air 4 % to 7% in zero slump concrete
- Gives a stable air void system with proper bubble size and spacing
- Increases placebility of zero slump concrete under vibration.
- Economical cost / benefit advantage.

Specification/Compliances

Synthetic Air meets or exceeds the requirements of ASTM C 260

Dosage

- Requires proper distribution in the mix.
- Add proper dosage to the water and aggregate and mix for ½ to 2 minutes before adding the cement.
- For zero slump concrete the dosage will typically range from 20 to 40 ml of synthetic air per 100 kg of cement which will generally entrain 4 - 7 % air in concrete.

Health & Safety

- **Synthetic Air** is non-toxic.
- Any splashes on the skin should be washed immediately with water.
- Splashes on the eyes should be washed immediately with water and seek medical advice immediately.

Packing

Available in 20 kg & 200 kg drum.

Storage

Store in a cool dry place under shed away from heat.

Shelf Life

9 months in original unopened condition.



STP's Businesses

Waterproofing & Insulation
Road Surfacing
Pipeline Coating
Repairs & Rehabilitation
GARA (Grouts & Admixtures)
Other Powder Products
Sealant & Additives
Epoxy Flooring
Protective / Anti-Corrosive Coating
Other Products


