

Hyperplast ES907

Plasticising admixture for concrete masonry products



Description

Hyperplast ES907 is a chloride free ready to use plasticizing liquid admixture based on polycarboxylic polymers used to produce concrete block, pipe, roofing tiles, concrete brick and pavers.

Hyperplast ES907 disperses the fine particles in the concrete mix, enabling the water content of the concrete to perform more effectively and improving the consistency of the concrete.

Hyperplast ES907 will produce more defined edges and disperse integral colours evenly and does not contain any added chlorides that would promote the corrosion of steel.

Applications

Hyperplast ES907 is ideally designed for use in the following applications:

- ▲ Concrete block.
- ▲ Drycast products.
- ▲ Concrete brick.
- ▲ Concrete roofing tile.
- ▲ Segmental retaining wall systems.
- ▲ Concrete pipe.
- ▲ Coloured masonry products.

Advantages

- ▲ Improves compressive strengths.
- ▲ Extends mold life.
- ▲ Produces moderate to high swipe.
- ▲ Improves feed and cycle times.
- ▲ Produces more defined edges.
- ▲ Reduces unit cost by cement saving.

Compatibility

Hyperplast ES907 can be used with all types of Portland cement and cement replacement materials. Hyperplast ES907 should not be used in conjunction with other admixtures unless DCP technical department approval is obtained.

Technical Properties @ 25°C:

Appearance:	Light yellow
Specific gravity:	Typically 1.09 ± 0.02 @ 20°C
Chloride content: BS 5075	Nil
Freezing point:	-5°C

Method of Use

Hyperplast ES907 should be added to the concrete with the mixing water to achieve optimum performance.

An automatic dispenser should be used to dispense the correct quantity of Hyperplast ES907 to the concrete mix.

Dosage

The guidance dosage of Hyperplast ES907 is 0.3 to 2.0 liters per 100 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

Trials should be conducted to determine the optimum dosage of Hyperplast ES907 to meet the performance requirements by using the materials and conditions in actual use.

Effects of Over Dosage

Over dosing of Hyperplast ES907 will cause the following:

- ▲ Significant increase in retardation.

Ultimate concrete strength will not be adversely affected and will generally be increased provided that proper concrete curing is maintained.

Cleaning

Hyperplast ES907 can be washed with fresh cold water.

Packaging

Hyperplast ES907 is available in 25 litre pails, 210 litre drums and 1000 litre bulks supply.

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Storage

Hyperplast ES907 has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

Cautions

Health and Safety

Hyperplast ES907 is not classified as hazardous material. Hyperplast ES907 should not come into contact with skin and eyes.

In case of contact with eyes wash immediately with plenty of water and seek medical advice promptly.

For further information refer to the Material Safety Data Sheet.

Fire

Hyperplast ES907 is nonflammable.

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