

Hyperplast Block R20

Integral water repellent admixture for blocks and concrete masonry units



Description

Hyperplast Block R20 is a water-based, ready to use integral concrete waterproofing admixture specially designed for use in concrete masonry units and provides easy to use product that imparts water-repellency.

Hyperplast Block R20 also provides manufactured low-slump concrete with improved compressive strength and absorption properties, as well as improved "machinability" or ease of manufacturing units.

Applications

Hyperplast Block R20 is used to provide water repellent concrete masonry units (CMU). The product is used in conjunction with Hyperplast Block M to provide a system of water repelling CMU and mortar offering long lasting resistance to water penetration.

Advantages

- ▲ Reduces capillary water absorption.
- ▲ Minimizes the risk of efflorescence and dirt pick-up.
- ▲ Provides a better color intensity and uniformity.
- ▲ Reduces the growth of algae and fungi on concrete surfaces.
- ▲ Enhances physical properties such as compressive, flexural and tensile strength.
- ▲ Improves the colour shades and thus reduces the needed pigment dosages.
- ▲ Highly alkaline resistant.
- ▲ Provides a better demolding and sharper edges.
- ▲ Reduces chloride diffusion.
- ▲ Improves workability.

Dosage

The recommended dosage of Hyperplast Block R20 is 5 - 25 fl oz/100 lb (325 - 1600 ml/100 kg) of cement or cementitious materials in the mix including GGBFS, PFA or micro-silica.

Hyperplast Block R20 should be added after adding the final needed amount of water to the system. And allow for 2 minutes mixing time.

Technical Properties @ 25°C:

Colour:	White, low viscosity liquid
Freezing point:	≈ 30°F (-1°C)
Specific gravity:	0.99 ± 0.02
pH:	8 - 10

Packaging

Hyperplast Block R20 is available in 5 gal (19 litre) containers as well as 275 gal (1,041 litre) and 330 gal (1,249 litre) IBC totes. Bulk supply in tanker trucks is also available upon request.

Storage

Hyperplast Block R20 should be stored under cover at a minimum ambient temperature of 41°F (5°C).

Shelf Life

Hyperplast Block R20 has a shelf life of 12 months from date of manufacture if stored in good conditions and sealed drums.

If these conditions are exceeded, contact DCP Technical Department for advice.

Cautions

Health and Safety

Care should be taken during use and storage to avoid contact with skin, eyes and mouth. Wear suitable protective clothing, gloves and eye/face protection.

Should accidental skin or eye contact occur, immediately flush the affected area with plenty of water. If swallowed, seek medical attention immediately. Do not induce vomiting.

For further information, refer to the Material Safety Data Sheet.

Hyperplast Block R20

Fire

Hyperplast Block R20 is nonflammable.

More from Don Construction Products

A wide range of construction chemical products are manufactured by DCP which include:

- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

Don Construction Products Inc.
2826 Lineberger Industrial Dr.
Lancaster, SC 2970
USA

Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

