

HYMIX – WP100

Waterproofing Concrete Admixture

Description:

A Concrete Admixture in Liquid form that acts both as a highly efficient plasticizer and a waterproofing agent.

Uses:

is recommended for all cement types that used in structural and mass concrete particularly water retaining structures such as:

- Sewage Works.
- Canals.
- Reservoirs and Dams.
- Culvert tunnels.
- Swimming pools.
- Water tanks.

Advantages:

Gives increased working life to fresh concrete.
Increases workability without extra water, reducing placing time and costs.
Improves cohesion, minimizing segregation and improving surface finish.
Aids pumping by improving cohesion and reducing workability loss.
Allows a reduction in water/cement ratio, enhancing durability by producing low permeability. Concrete with reduced shrinkage cracking potential.
Chloride free, safe for use in pre-stressed and reinforced concrete.
Suitable for use in Middle East and Arabian area conditions.

Technical Properties

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| <ul style="list-style-type: none">• Appearance• Specific gravity• Chloride content (BS 5075)• DOSAGE: | <ul style="list-style-type: none">• Dark Brown liquid• 1.09 ± 0.05 Kg/Lit. @ 25°C• Nil• 0.5 liter/100 Kg of cementations material. |
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Standard Compliances:

It complies with BS 5075.
And ASTM C494 Type A&F.

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Dosage:

The optimum dosage should be determined by site trials with the particular concrete mix under ambient conditions.

As a guide, the dosage will fall into one of two ranges dependent on use:-
0.5 liter/100 Kg of cementations material.

Compatibility:

COMBATIBILITY WITH CEMENT:

Compatible with all types of Portland cements and sulphate resistance cements type (V).

CABATIBILITY WITH OTHER ADMIXTURES:

can be used with other green admixtures in the same concrete mix.

All admixtures should be added to the concrete separately and must not be mixed together prior to addition.

The resultant properties of concrete containing more than one admixture should be assessed by trial mixes.

Dispensing:

HYMIX WP100 liquid should be dispensed directly into the mixing water or added simultaneously into the concrete mixer.

Concrete Placing:

The standard rules of good concreting practice concerning production and placing must be followed.

Packaging:

Available in 20 liters. Plastic pails, 210 liters drums and 1000 liters bulks.

Storage & Shelf-Life:

Approx. 12 months in dry shaded conditions in its original closed bags.

Health and Safety:

HYMIX WP100 non-toxic, non- corrosive and any splashes of the skin should be washed off with water, if contact with eyes occurs wash with water immediately and seek medical advice.

Fire:

HYMIX WP100 nonflammable.

Warranty: HYBUILD CONSTRUCTION CHEMICALS warrants that:

1. Its products will perform substantially in accordance with the accompanying written materials for a period 1 year from the date of receipt.

2. The product will be free from defects in materials and workmanship under normal use for 1 year.

3. HY-Build supplies products that comply with the properties shown on the current data sheet.

In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price.