

Dornica resin for manufacturing Dornica artificial stone

Dornica resin is high range water-reducer and super plasticizing admixture based on modified polycarboxylic (PC) polymers. It acts efficiently to give controlled workability about 180 minutes.

Properties and effects:

- Reduces cement content in mixture
- Creating fluidity of mixture before setting (increased concrete workability)
- Design of mixes with water-cement ratios in the range of 0.3 to 0.4
- Prevents bleeding and segregation of mixture
- It can be used with all types of Portland cement including Sulphate Resisting.
- Use simultaneously with silica fume, fly ash and other pozzolanic materials
- Increases the compressive strength of artificial stone
- Allows reduction of curing cycles - i.e. time or temperature.

Chemical base: polycarboxylate ether copolymer

Specific gravity: $1.12 \pm 0.05 \text{ g/cm}^3$

Physical state: liquid

Chloride content: Nil to BS 5075

Storage

Shelf life: 1 year in the original package

Packing: 22 kg container or 1000 kg tank