



## Ecoplast GP (Quick Set Render)

## DATA SUMMARY



Ecoplast GP is a proprietary binder mixture based on Geo Polymer technology used in plaster applications where very high strength, low shrinkage, and superior durability is desired. The special chemistry of the Ecoplast GP makes it highly water resistant. It also has a very low permeability and is highly resistant to sulfate attack, outperforming HSR Portland cement.

Ecoplast GP can be applied by hand (trowel) and by machine. It contains special additives that make it easily workable by hand and ideal for pumping and gun spraying.

Ecoplast GP can be placed in thicknesses from 3mm to 25mm + in one coat.

No special curing is required.

### **PHYSICAL PROPERTIES:**

#### **Compressive Strength:**

24-hr : 12 Mpa  
72-hr : 16 Mpa  
28-day : 25 Mpa

#### **Unit Weight:**

2000 kg/m<sup>3</sup>

#### **Set Time:**

Initial Set 30-minutes  
Final Set 150-minutes  
(Initial setting time can be decreased or increased as per site requirement)

### **MIXING GUIDELINES:**

Use 24ml of water for 100g of the powder. Initially the mix may appear dry. But do not add more water. After 3 minutes of mixing it will form smooth slurry. At this point you may choose to hand apply or use any kind of spraying equipments. Remember to wash off all the equipments immediately.

### **APPLICATION GUIDELINES:**

Ecoplast GP is applied in much the same way as traditional Portland cements. However, Ecoplast has a shorter setting time and certain precautions need to be taken for optimum application.

### **PUMPING ECOPLAST GP:**

Do not begin mixing until the pumping group people are ready to work. Ideally, material should mix for 4-7 minutes in the mixer, and be poured in the hopper as soon as the nozzleman is ready to spray. Do not mix for more than 10-15 minutes or retemper material. Try to avoid delays between gun application (downtime when the material sits in the hose between application). Ecoplast GP is a fast setting material that can set up in the hose, if guidelines are not carefully followed.

### **Our Range Includes:**

- Flocrete - Plasticising, retarding, Super plasticizing and accelerating admixtures.
- Flogrout - Non-shrink, free flow, Cementitious grouts. Quickmast Epoxy coatings, mortars, grouts, sealants and self leveling floorings.
- Tibmix - Industrial, abrasion and high wear-resistant, non-metallic flooring system.
- Repcoat - Anticarbonation, protective & decorative coating.
- Setseal - Waterproofing systems.