



## Ecoplug GP (Repair Mortar)

## DATA SUMMARY



ECOPLUG is a single part fast setting proprietary blend of powders based on geo polymer technology that instantly stops flowing water and seepage through concrete and masonry surfaces.

ECOPLUG is a non-shrink material that expands slightly and sets in approximately 3 minutes depending on the temperature of the mixing water and the surface to which it is applied. It sets under water. It has high structural strength and exceptional durability.

### **USES:**

ECOPLUG will stop running water and seepage through cracks and holes in concrete and masonry walls, dams, wells, tanks, walls and floor junctions. It can be used as grout around pipes and conduits and can be used as an anchoring product and a rapid set filler.

### **CURING:**

No curing required.

### **SURFACE PREPARATION:**

Substrate must be sound, clean and free from loose particles or contamination. Cracks present must be treated first depending on the type of crack. If possible cut the concrete or rock into a

“V” shape at the location of the leak. Steel surfaces should be free of oil, grease or rust.

### **APPLICATION:**

Mix the powder and solution thoroughly and quickly in a suitable container for about 1-2 minutes until homogenous slurry is obtained and force or pour it into crack or void.

### **MIX RATIO:**

Use 22ml of water for every 100g of the Powder. To ensure the performance of the product, DO NOT break up individual units into smaller portions. Mix entire contents at one time.

### **PHYSICAL PROPERTIES:**

Compressive Strength:

24-hr: 20 Mpa

72 Hr : 25 Mpa

28-day: 38 Mpa

**Shrinkage** : None

Bond Strength to Concrete: > 5 Mpa

Unit Weight: 2200 kg/m<sup>3</sup>

PH : 7.0 (After setting)

**Setting time:** 3-5 minutes

### **STORAGE LIFE:**

ECOPLUG has a shelf life of 6-12 months in sealed containers under shade in dry condition.