

## TECHNICAL DATA SHEET

### LEAK PLUG

Rapid setting mortar for plugging leak on running water

#### PRODUCT DESCRIPTION

**LEAK PLUG** is supplied as a dry powder which needs only the addition of water to produce an ultra-rapid set plugging mortar. It is designed to seal leaks in running water where conventional mortars would be washed away. It is ideal to seal leaks prior to applying water-proof renderings in basement. Upon setting, the product develops excellent structural strength and water tightness.

#### CUSTOMER BENEFITS

- rapid setting : stops leaks quickly
- easy to use : needs only water to be added
- durable : low porosity of the patch ensures permanence of the repair
- chloride free : no risk to steel reinforcement
- stable : similar thermal capability as parent concrete

#### RECOMMENDED FOR:

- patching concrete and mortars
- stopping leaks
- repairing concrete pipe and precast concrete repairing honeycombs, cracks and spalls
- repairing water retaining structures
- anchoring of bolts and fixtures
- filling holes

#### METHOD OF APPLICATION

##### Surface Preparation

Surfaces should be brushed clean to remove loose material, dust and laitance. Areas to be patched should be cut back to a depth of 20mm and given a good mechanical key. Feather edges must not be allowed.

Allowance should be made for wastage when estimating.

All surfaces must be damped down with clean water just prior to application of **LEAK PLUG**.

##### Mixing

Mixing proportion: 1 part water to 3 parts **LEAK PLUG** by volume.

Due to rapid set use only the quantity which can be utilized within the prescribed time.

#### Application

Apply the mixed **LEAK PLUG** in place, ensuring maximum contact with the substrate before the material sets.

If being used to plug a running water leak, the mixed **LEAK PLUG** should be held in place until it reaches initial set.

#### Setting time

Normal setting time is 45 to 90 seconds at 30 °C. Time may vary according to ambient conditions.

#### Curing

Standard concrete curing procedures should be followed to prevent rapid water loss and consequent loss of strength.

#### PROPERTIES

Compressive strength: ASTM C109 / C109M - 13

2 hours	725 psi
28 days	3625 psi

#### PACKAGING

**LEAK PLUG** is available in 4 kg and 25 kg pack.

Pack weight	Approximate yield
4 kg	2 liters
25 kg	12 ½ liters

#### HEALTH AND SAFETY

**LEAK PLUG** is non-toxic but should not be ingested as it is based on cements and it is therefore alkaline

#### STORAGE

**LEAK PLUG** has a shelf life of 12 months if containers kept unopened.