

# QUICK SEAL

## Rapid Setting Water Plugging Mortar

### Description

**QUICK SEAL** is a rapid setting cementitious mortar which requires only the addition of water. It is composed of a blend of hydraulic cements, special fillers, graded aggregates, and chemical additives.

**QUICK SEAL** when mixed with water produce a fast setting high consistent, high early strength mortar provides a permanent watertight seal to stop water leaks and seepage holes and cracks in concrete.

### Features & Benefits

- Shrink controlled, easy to use just required mixing with water
- Excellent bond to all concrete supports
- Rapid water stopping capability
- Nontoxic which makes it suitable for application in portable water tanks.
- Low exothermic minimizes thermal cracking
- Does not contain Chloride.
- Formulated for hot weather climate

### Uses

**QUICK SEAL** is used in:

- Water seepage in underground structures; basements, parking lots, underpasses, elevator shafts, and inspection pits.
- Cracks in silos, porous beds, waterproof sealing, manhole waterproofing, expansion joints, water reservoir leakage, and miscellaneous.
- Waterproofing of joints between vertical and horizontal constructions.
- For emergency repairs in drainage works.

### Technical Properties

Appearance	Cementitious Powder
Mix Density	1,900 Kg/m <sup>3</sup> approx.
Initial setting time	45 seconds
Final setting time	3-5 minutes
Service temperature	-5 to +80 °C

Compressive Strength	
After 24 hours	13 N/mm <sup>2</sup>
After 7 days	39 N/mm <sup>2</sup>
After 28 days	7.0 N/mm <sup>2</sup>
Flexural Strength	
After 24 hours	3.0 N/mm <sup>2</sup>
After 7 days	5.8 N/mm <sup>2</sup>
After 28 days	47 N/mm <sup>2</sup>
Noxiousity	No
VOC	<2.0 g/L

All values are subject to 5-10% tolerance

### Standards Compliance:

- ASTM C580
- ASTM C579

### Application Procedures

#### Surface preparation:

The surface must be clean, sound, free from grease, friable material, curing compound, etc. Dust should be removed by brush or compressed air. Clean carefully the surface to be treated. Holes, cracks and fissures must be widened to assure a better anchorage of the product.

To treat the leaking area, chase out the leaking area for a depth of 2 cm. The chase should always be undercut to avoid leaving a v-section. Make sure that all loose materials are removed.

### Mixing Instructions:

To prepare the mortar, Add **QUICK SEAL** to 23-24% of clean water and mix the product in a suitable mixing drum by gloved hand or with a clean rod till obtaining a homogeneous malleable mixture.

Due to the rapid set characteristics of the product, only prepare a quantity of mortar which can be placed within the prescribed set time.

## Application Instructions:

Apply the mortar manually with spatula, steel trowel or hand in place, ensuring maximum contact with the substrate before the material sets. If being used to plug running water, press the product with strength into the crack, maintaining the pressure till the initial set is reached (about 45-60 seconds). Smooth the plugging and remove the excess product.

Always start to treat the leaking surface from higher point down towards the lower part till the leakage is totally stopped. Waterproof, if required, can be applied afterwards.

If the crack is presenting running water, it is advisable to drill a relief opening. This will reduce the pressure from the crack to allow the application of the plugging mixture.

## Coverage

1.9 kg to fill volume of 1 liter.

## Packaging

**QUICK SEAL** is available in 5kg bag

## Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

## Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

## Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

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