

## Ultra rapid setting mortar for blocking the inrush of water.

### DEFINITION

**Novo Plug** is hydraulic cement based on special cement and other chemicals additives, which starts setting within a minute. It sets quickly to form a leak proof plug.

### FIELDS OF USE

- Emergency and quick repairs.
- Waterproofing of joints between vertical wall and floors.
- For waterproofing structures, basements, life holes, inspection pits etc.
- Water reservoirs, underground areas, concrete tunnels, pipes... etc.
- Can be water proofed and repaired.
- Quick setting.
- Non-toxic.
- Can be used in potable water systems.
- Only water adding is required.

### ADVANTAGES

1. Very quick setting enables to apply thick layers in short time.
2. **Non shrinkage, so no cracks.**
3. Very high early strength.
4. Thick application is possible.
5. Resistant to sea water.
6. Prevent the corrosion of steel-reinforced in concrete.

### PHYSICAL PROPERTIES @ 25 C°

DISCRIPTION	VALUE	STANDARD
<i>Color</i>	Gray	
<i>Density</i>	1.83 ± 0.05 gm./cm <sup>3</sup>	ASTM D 854
<i>setting time</i>	Start (60- 80 sec) end 4-5min	ASTM C 266
<i>Compressive strength) 3Hrs</i>	8Mpa (Air)	ASTM C 579
<i>Shelf life</i>	6 months (under suitable storage conditions)	

### SURFACE PREPARATION

- The concrete surface to be repaired should be sound, clean and uncontaminated. The decayed or damage should be saw cut, keeping the sides of the area as possible.
- Loose material must be removed carefully using suitable means such as sharp tools or chipping hammers. If the reinforcement is corroded, make sure that the back of steel is completely exposed, then clean the steel to bright metal conditions.
- Mix the material with clean water to get a thick paste. (4-5 liter/ 25 kg) approximately
- Apply immediately on the spot and press well for about 1minute or until it hardens.
- Avoid squeezing because it may result in cracking.
- Repeat operation if needed will stop any leakage.
- For effective plugging or anchoring, wet the surface with plenty of clean water then apply the material by pressing slightly.

In the event of **Novo Plug** being used for plugging running water, hold it in place until the initial set is achieved.

**Novo Plug** should be applied with minimum thickness of 15 mm.

### MIXING

Mixing can be done either by a clean rod or gloved hands.

Mix the powder with clean water. (4-5 liter/ 25 kg) approximately

### CLEAING

Clean all the tools and equipment immediately after use with water.

### PACKING

- Group 5 & 10 & 25 kg

### PRECAUTIONS & SAFETY

- **Novo Plug** is non - flammable, wash any splashes to the eyes immediately with water, and medical advice should be consulted.
- Wear protective clothes, gloves, glasses and face protection.
- For skin contact, remove it with suitable cream followed by soap and water cleaning.

#### NOVOCHEM S.AE

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