

Octa Plug

One Component Plugging Mortar

DESCRIPTION:

Octa Plug is a specially blended, fast setting, plugging mortar designed to instantly stop running water or fluid seepage in concrete or masonry structures. This single component, high strength plugging mortar permanently plugs non-moving cracks, joints, holes and voids in concrete structures.

Octa Plug is supplied in powder form.

USES:

Once mixed with water to a putty-like consistency; Octa Plug may be hand formed to quickly stop active fluid leaks in basements, tunnels, swimming pools, sewers, non-potable water tanks, voids around pipes and wall tie holes. It also seals construction joints between floors and walls.

Octa Plug is versatile enough for either vertical or horizontal applications; below, above or on grade. Its controlled expansion formulation permanently holds the repair in place on exterior, interior and even, underwater installations.

ADVANTAGES:

- Fast initial set
- Stops liquid flow immediately
- Expands as it sets - forms a permanent water stop
- Mixes with water only - easy to use
- Can be applied horizontally, vertically, internally or externally
- Above or below grade applications
- Non-metallic, non-corrosive - will not stain
- May be top coated within one hour
- Good sulfate resistance - suitable for wastewater and sewer applications

PACKAGING:

- 10 kg (22.40 lb.) plastic pails

STORAGE & SHELF LIFE:

Octa Plug must be stored in totally dry conditions. Any opened package if not tightly resealed may result in hardening of the product due to absorbing moisture from atmosphere.

When stored as directed, a shelf life of 12 months can be expected.

TECHNICAL DATA:

Compressive strength (per ASTM C 109) at:

- 15 minutes 850 psi (5.86 MPa)
- 1 hour 1225 psi (8.44 MPa)
- 1 day 2650 psi (18.27 MPa)
- 28 days 6000 psi (41.38 MPa)

Colour: Grey

Set time (per ASTM C191)

- Initial: 1 minutes
- Final: 3 minutes

Note: All technical data is typical information, but may vary due to testing methods, conditions and ambient temperature.

SURFACE PREPARATION:

Cut or notch out the crack, joint, hole or void to a minimum dimension of 1" x 1". To ensure proper mechanical lock, the bottom of the newly notched opening should be wider than the top. (Avoid "V" type notches or cuts.)

Prepare surface in accordance with ICRI Technical Guide No. 03730. Substrate must be structurally sound and free of grease, oil, dirt, or any other contaminants that can adversely affect the bond. If the crack to be repaired is dry at the time of application, substrate must be dust free, then saturated, surface dry (SSD).

MIXING AND PLACEMENT

Mix Octa Plug with enough potable water to form a thick putty consistency (approximately a 4:1 ratio by volume). Do not mix more Octa Plug than can be placed within one minute. Force Octa Plug directly into prepared crack, hole or void and hold in place, maintaining pressure until material hardens. Avoid overworking the material. Just prior to final set, Octa Plug may be "shaved" to match the profile of the area surrounding the patch.

If repairing a dry crack, wet cure immediately for at least fifteen minutes or until set is fully achieved. Do not use on any moving joints.

HEALTH AND SAFETY:

- Octa Plug is recommended for concrete, masonry and block repairs only
- Do not apply below 40° F (4° C) or above 90° F (32° C) or when rain is imminent
- Protect from freezing for a minimum of 24 hours
- Do not bridge moving cracks
- Do not add any admixtures
- Exceeding liquid requirements shall result in reduced physical properties
- The set time will decrease as the product, air, substrate and mixing liquid temperature increases and will increase as the temperature decreases
- Protect from conditions that may cause early water loss, such as, windy conditions, low humidity, high temperature and direct sunlight
- Failure to follow industry standard practices may result in decreased material performance
- Proper application is the responsibility of the user