



AQUA INSTA PLUG™

(Instant Plugging Mortar)

Aqua Insta Plug is a cementitious dry powder with special selected additives with exceptionally good fast setting and strength developing characteristics. It needs only addition of water to produce ultra rapid set plugging mortar.

WHERE TO USE: Can be effectively used in number of situations where very quick setting is required. It is used for plugging running leaks from concrete structure, basement, cellars, bricks, tunnels and joints of masonry of water storage reservoirs. For patching, caulking, joint filling, pointing and waterproofing of concrete segments, sewage systems, pipes, well foundations and mines.

HOW TO USE:

(A) PREPARATION: Area to be plugged should be cut back up to 15mm & given good mechanical key. Do not feather edge. Surfaces should be brushed cleaned to remove loose material, dust and grease contaminations by de-greasing. All surfaces must be damped down with clean water prior the application of Aqua Insta Plug.

(B) MIXING: Aqua Insta Plug has to be used after mixing with gauge water depending upon its application. As a guide line the water powder ratio to be mixed as explained below:-

- For anchoring plugging (Pourable consistency): 2 pbw of Aqua Insta Plug and 1 pbw of water.
- For filling cracks and holes to prevent water peculations (Filling consistency): 3 pbw of Aqua Insta Plug and 1 pbw of water.
- For casting machinery foundation (Flowing consistency): 3 pbw of Aqua Insta Plug and 2 pbw of water.

(C) APPLICATION: It has to be quickly used for mixing because it starts hardening within few minutes. Add water in one go. Do not re-temper. Mix only as much material as required for the immediate application.

SHELF LIFE:

12 months from the date of manufacture.

PACKAGING:

Available in 1kg box, 20 boxes in a carton.

ADVANTAGES:

- Easy to use: Needs only addition of particular amount of water which has to be added and mixed according to its application.
- Fast setting: This product sets fast to give immediate relief from leaks.
- Durable: Low porosity of the patch ensures that the performance of the repair is extra strong. It forms a dense hard durable mass upon setting.
- Chloride free: The product is free from chloride, sulphates and nitrates; hence no risk to RCC.
- Compatibility: Being cementitious, it is compatible for use in all concrete structures, stones, clay, bricks, etc. It shows least shrinkage.
- Stable: Similar thermal capability as concrete.

CURING: Standard concrete procedures should be followed.

COVERAGE: Depends on usage and changes according to the types of surfaces.

STORAGE: Store in cool & dry place with original sealed pack.

PRECAUTION: It is non toxic non flammable, avoid contact with skin. If it splashes on the eyes, wash with plenty of water and seek medical advice.

TECHNICAL SPECIFICATIONS:

PROPERTIES	RESULT
Appearance	Free flowing powder
Colour	Grey
Application temperature	5 - 45°C
Initial setting time	30 - 60 sec. depending on temperature mixed mortar
Bulk density	1.10 - 1.30 kg/Ltr

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