



PLUGFAST

Leak plugging mortar

Description

PLUGFAST is supplied as a ready to use blend of dry powders which requires only the addition of cleanwater at site to produce a highly consistent, rapid setting mortar which is easy to apply in many difficult conditions. The material is based on a blend of cements, graded aggregates, special fillers and chemical additives which control the rate of set and minimize the risk of thermal cracking.

Advantages

- Emergency water stopping capability
- Single component only the addition of clean water is required
- Excellent bond to the substrate
- Low exothermal minimizes thermal cracking
- Pre-packed formulation to overcome variation in site batching
- Contains no chloride admixtures

Uses

- For rapid temporary patching and plugging of concrete segments
- Concrete and brick tunnel linings
- Sewage systems
- Below ground access chambers
- Pipes
- Basements
- Foundations and mines

Technical Information

PROPERTIES	RESULTS
Appearance	Blend of dry powder grey in Color
Setting time	2 to 3 min @ 30°C (initial set)
Compressive strength	25 N/mm ² @ 30°C

Method of Application

- Areas to be patched should be cut back to a depth of 15mm.
- Surface should be brushed clean to remove loose material, dust and laitance.
- To seal leaks, crack openings must be chased out to approximately 20mm. The chase should always be undercut to avoid leaving a V-section.
- PLUGFAST should be added to clean water in the following proportions:
1 part clean water:3 PLUGFAST.
- Mix to a stiff consistency in a suitable container using a trowel or gloved hand.
Trowel apply or hand-knead the mixed mortar in place, ensuring maximum contact with the
- substrate before the material sets.

Design Criteria

- PLUGFAST can be applied to horizontal, vertical or overhead surface at a wide range of thickness. Generally, the volume of mixed material used in a single application is restricted to that which can be applied by trowel or gloved hand. Thicker sections can be built up in layers. If any doubt arises about the nature of the substrate, consult the local Redwop office for further information.

Shelf Life

- PLUGFAST has a shelf life of 6 months if kept in a dry store in the original, unopened bags.

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