

PLUGFAST

Leak plugging mortar



Description:

PLUGFAST is supplied as a ready to use blend of dry powders which requires only the addition of clean water 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.

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

Advantages/Characteristics:

- 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

Company Standard Compliance:



Technical Information:

Properties	Specification
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

Application Procedure:

- 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.

Cleaning:

PLUGFAST should be removed from tools, equipment and mixers with clean water prior to the initial set. Cured material can only be removed mechanically.

Limitations:

PLUGFAST should not be used when the temperature is below 10°C and falling.

Packaging:

PLUGFAST is supplied in 1, 5, 10 & 20 kg pack.




Storage & Shelf-life:

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

Health & Safety:

PLUGFAST contains cement powders which, when mixed or become damp, release alkalis which can be harmful to the skin. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. The use of barrier creams provide additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

	It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.
	ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.
	ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations, Demonstrate commitment to quality, and Identify and improve processes that lack consistency.
	ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance

	This symbol is used to identify Redwop products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.
	Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.
	ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.

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