



OVERVIEW

GRIPFLEX PLUG is a fast setting, hydraulic cementitious plugging mortar formulated to stop leaks in concrete and masonry surfaces. It is particularly effective for stopping the flow of running water. **GRIPFLEX PLUG** is ready to use and requires only the addition of water before plugging and sealing cracks.

PROPERTIES

- Plugs wet cracks in concrete and masonry surfaces to seal out water.
- Stops water seepage at floor and wall junctions.
- Stops running water, reducing damage.
- Expands as it sets for a water-tight repair

AREAS OF USE

- Basement repairs
- Manhole repairs
- Concrete pipe and bell repairs
- Anchoring bolts and hand rail settings.

Packaging & Storage

GRIPFLEX PLUG is available in 10kg bags. Up to 12 months in unopened containers. Keep out to direct sunlight and moisture.

HEALTH & SAFETY :

GRIPFLEX PLUG contains no hazardous substances. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing a long-sleeved overall, safety shoes, and a face mask is recommended for maximum safety. Reseal all containers after use and ensure the product is stored as instructed on the safety section of the labeling. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each GRIPMIX product.

Application Procedure

Ensure that the concrete is clean and rough. Remove all oil, dirt, debris, paints, and unsound concrete. Prepare the surface mechanically by using a scribbler or wire brush. Use a vacuum cleaner or pressure washing to ensure thorough cleaning and removal of all residue. **GRIPFLEX PLUG** does not require any special bonding procedures. Ensure the temperature ranges between 150C-350C. Add **GRIPFLEX PLUG** in the appropriate amount of water for the batch size. Mix with a drill and "jiffy" mixer for about a minute. Place the mix immediately on the leaking concrete /masonry surface. In case of cracks, widen out and clean cracks to at least 15mm x 15mm deep, apply MIXPLUG to plug the prepared crack with a pointing trowel, and slick off the surface. Prepare a cove at the junction. If more time is desired when preparing the cove, mix the **GRIPFLEX PLUG** with ice water in case of running water. Dam up running water. Prepare all cracks properly and, if possible, relieve excess hydrostatic pressure by drilling a relief hole or by chiseling out the crack at its very lowest point. Mix an adequate quantity of MIXPLUG. After mixing, immediately place the plug of **GRIPFLEX PLUG** in your hand and hold it until it suddenly begins to get warm. This will take 2-3mins from the start of mixing. At this point, speed in working is essential. Force the **GRIPFLEX PLUG** into the hole or crack that is to be sealed off. Start filling cracks or holes at the top. To close the final opening and seal off a stream of water, make sure the **GRIPFLEX PLUG** is starting to warm up. At the moment force into the hole and exert pressure either with your hand or trowel for a full 5min or longer to ensure the setting of the plug. In some cases where is water is extremely cool, it may be necessary to hold the plug in place for a little longer. In the case of bolt and Hand Rail Anchoring, use a star drill to make a hole approximately 1-1/2" (38mm) larger than the anchor. Mix enough **GRIPFLEX PLUG** to fill the area and pour and tamp it into place around the anchor. Finish **GRIPFLEX PLUG** to the desired textured to match the surrounding concrete. Do not add additional water to the surface during the finishing operation. Use **GRIPFLEX 24** as the final waterproofing coating or additional protection against water seepage to improve the appearance and uniformity of the repair area. **GRIPFLEX PLUG** requires no special curing procedures. Clean tools and equipment with water before the material hardens

GRIPMIX provides an extensive range of products and services for most concrete and finishing needs. Please contact the GRIPMIX for Building Construction Materials Trading Co. LLC-Dubai for further information, samples, demonstrations and instructor services. The information presented in this leaflet is based upon laboratory research, as well as comprehensive field work and application. All products are sold subject to standard conditions of sale which are available on request. This information is based on GRIPMIX's current state of knowledge and is intended to provide general information on GRIPMIX's products and their methods of use. The potential user is recommended to determine the suitability of GRIPMIX's suggestions and products before adopting them on a commercial scale.



TECHNICAL DATA

Color and Appearance	Grey powder
Bulk Density	1.65
W/P Ratio	0.18-0.20
Shear strength	6N/mm ²
Compressive Strength@28days	32N/mm ²