



Polygon Damit

Non Shrink Fast setting Hydraulic Cementitious Repair Product

DESCRIPTION

Polygon Damit is fast setting, hydraulic cement product formulated to stop leaks in concrete and masonry surfaces. It is particularly effective for stopping the flow of running water. Polygon Damit is ready to use and requires only the addition of water before plugging and sealing cracks.

TECHNICAL DATA

Compressive Strength, Kg/ cm ²		Physical Appearance	Grey Powder
1 day	170	Mixing Ratio of Water	0.18
7 days	280		
28 days	320		

APPLICATIONS

- Basement repairs
- Manhole repairs
- Concrete pipe and bell repair
- Anchoring bolt and hand rail setting

ADVANTAGES

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

APPLICATION METHODOLOGY

- Ensure that concrete is clean and rough. Remove any oil, dirt, debris, paint and unsound concrete
- Prepare surface mechanically by using a scabbler or wire brush
- Use vacuum cleaner or pressure washing to ensure thorough cleaning and removal of all residue
- Polygon Dam-it does not require any special bonding procedures



- Ensure the temperature ranges between 16 – 32 °C
- Add Polygon Damit in 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 15 mm x 15 mm deep, apply Polygon Dam-it 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 Polygon Damit with ice water
- In case of running water and Dam up of 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 Polygon Damit. After mixing, immediately place the plug of Polygon Damit in your hand and hold it until it suddenly begins to get warm. This will take 2 - 3 minutes from the start of mixing. At this point, speed in working is essential. Force the Polygon Dam-it plug into the hole or crack which is to be sealed off, start filing cracks or holes at the top. To close the final opening and seal off a stream of water, make sure the Polygon Damit plug is starting to warm up. At that moment force into the hole and exert pressure either with your hand or trowel for a full 5 minutes or longer to assure setting of the plug. In some cases where the water is extremely cool, it may be necessary to hold the plug in place for a little longer
- In case of Bolt and Hand Rail Anchoring, use a star drill to make a hole approximately 1- 1/2" (38 mm) larger than the anchor.
- Mix enough Polygon Damit to fill the area and pour and tamp it into place around the anchor
- Finish Polygon Damit to the desired texture to match the surrounding concrete. Do not add additional water to the surface during the finishing operation.
- Use **PolyCem AWP** as final water proofing coating for additional protection against water seepage and to improve the appearance and uniformity of the repair area
- Polygon Damit requires no special curing procedures.

CLEANING AND MAINTENANCE

- Clean all tools and equipments immediately after use with water before the material hardens.



HEALTH AND SAFETY

- Use goggles, mask and hand gloves during application
- Clean hands with warm soap water after application.

PACKAGING

Available in 25 kg Pack.

STORAGE

Must be stored in original packing at ambient temperature, dry place under shed away from heat.

SHELF LIFE

If stored in original unopened sealed under the above conditions, it has a shelf life of 12 months.