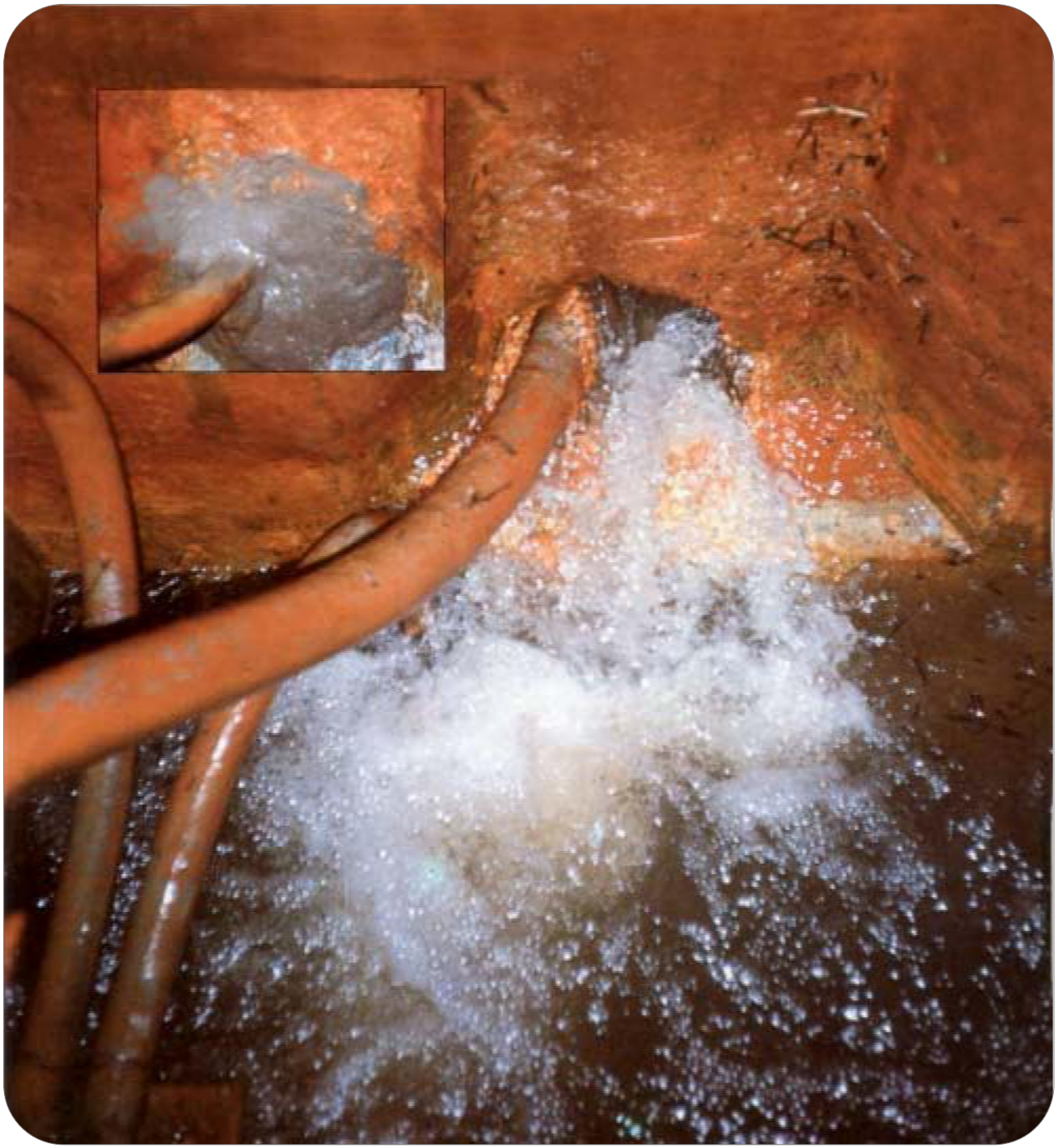
DRIZORO®
Construction Products

MAXPLUG®

QUICK-SETTING HYDRAULIC MORTAR STOPS LEAKS UNDER PRESSURE



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DESCRIPTION

MAXPLUG ia a quick-setting cement-based mortar that instantly stops running water from cracks, holes or other openings in concrete, masonry and other substrates. It is slightly expansive and does not shrink, starts hardening in few seconds and sets within three to five minutes depending on the temperature. Packed in grey powder form, it only requires water for mixing.

APPLICATIONS

- Sealing leaks instanly in concrete surfaces, solid masonry and other sound supports.
- For emergency repairs on water pipes. For broken pipes, ***MAXPLUG*** will even work when the pipes are under pressure.
- Emergency plugging of gas leaks.
- In connections sealing between slab and walls giving a shoulder ending, as well as in cold concrete joints.
- Anchoring bolts and other accessories that require immediate use.
- In basement, tunnels and sewers, to stop water under pressure.

ADVANTAGES

- Does not contract, or become weak due to its exothermic reactions.
- It increases in volume. Its rapid setting, three to five minutes, may be controlled, (either sped up or slowed down) by adding warm or cold water. The setting may even be instantaneous.
- It is the proper maintance material for homes and industry.
- It is not toxic when it comes into contact with drinking water.
- Its mechanical properties are comparable to those of concrete, and in some cases even superior.
- It sets under water.
- It does not contain chlorides.
- Easy to use

HOW TO USE

Surface preparation

All cracks should have a minimum depth of 4 centimetres and an opening of 3 to 4 centimetres. Make a square-shape cut, preferably dovetail to the surface to which the material is to be applied; avoid the “V” shape. See drawing at bottom of the page. Clean the surface until it is free of all loose materials; wet the surface if water is not present at the time of application. Use ***MAXPLUG*** without force.

Mixing

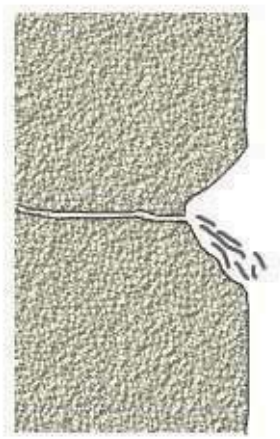
Mix only the amounts of ***MAXPLUG*** that can be applied in three minutes; if it is a water leak, mix only the amount of material that can be used with your hand. Use a plastic or rubber container, fill with ***MAXPLUG*** as needed, and add water slowly until it has the consistency of cement mortar. One kilogram of ***MAXPLUG*** requires 0.28 litres aprox. of water depending on weather conditions.

Application

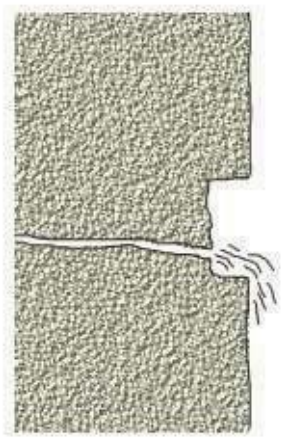
MAXPLUG can be applied with a trowel, a spatula or even by hand. As any abrasive material, make sure to use protective rubber gloves when applying by hand.

Leaks in cracks or joints

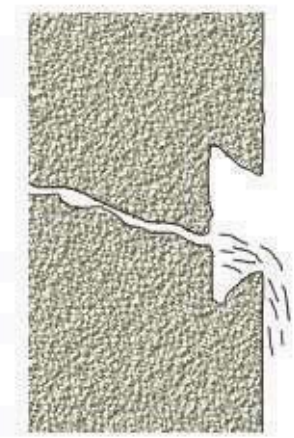
Once the surface has been prepared by removing the loose concrete from the crack and cutting to a



WRONG



RIGHT



BEST



SEALING PROCESS WITH *MAXPLUG*



depth of 5 cm, apply ***MAXPLUG*** is small amounts. mix only the amounts of material that can be applied by hand; do not pour the material in place; always use your hands. W ait until it becomes warm before applying, immediately remove the excess material and continue until the crack is finished. Under great pressure, in tunnels and basements do not try to plug up the crack at once.

Sealing concrete slabs and w alls.
This is very common in basements, elevator shafts, swimming pools and water towers. Make sure there is an opening of least 2 x 3 cm, and seal it with ***MAXPLUG*** making a waterproof cove at the joint of floor and wall.

Expansion joints.
MAXPLUG, a rigid product once it has set is not the ideal material for this t ype of work since expansion joints are subject to constant movement.
Nevertheless, it can used to stop water in expansion joints; after when it has dried, the expansion joint is re-made with a flexible m aterial. (Maxjoint Elastic being the most suitable material for expansion joints)

Anchoring.
MAXPLUG is ideal to anchor bolts and metal fixtures to concrete.

Application temperature and curing
Normal weather, *MAXPLUG* takes between three to five minutes to set, depending on the temperature of the product, the water and atmospheric condition. Three to five minutes setting time is for temperature in the 18 º C to 20 ºC range.

W arm weather, when temperatures are high and ***MAXPLUG*** sets very quickly, cold water must be used to delay the setting time, allowing you time to apply the material.
In extreme cases, keep the product in the shade and add ice to the mixing water.

Tools cleaning
Ever y tool m ust be cleaned right awa y with wate r after being used. Once material becom es hard i t can only be rem oved by m echanical m ethods .

CONSUM PT IO N

One kilogram of ***MAXPLUG*** fills approxim ately 0.615 -0.620 litres, depending on the amount of water used.
(1kg of MAXPLUG fills approximately 615 to 629 cubic centimeters).

PACK AGING

MAXPLUG is supplied in 25 kg drums and 5 kg cans.

STORAGE

In unopened containers for 36 months, when properly shipped and stored.

IMPORTANT INDICATIONS

- Use the same clean and dry trowel for taking out the product from the package. Do not mix the product with other materials; the mixture can modify its characteristics.
- For further information, consult our Technical Department.

SAFETY AND HEALTH

As any cement-based material, ***MAXPLUG*** is an abrasive product, a protective rubber gloves must used to prepare the mixture and apply it. If any of mixture gets into the eyes, rinse thoroughly with clean water, but do not rub. If irritation continues, consult a doctor. For further information, consult the Safety Data Sheet for this product.

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. ***DRIZORO*** reserves the right to introduce changes without prior price. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company´s responsibility unless authorised by us. We shall not accept responsability exceeding the value of the purchased product. For any other queries, please contact our Technical Departament.
This version of bulletin replaces the previous one.

TECHNICAL DATA

Mechanical resistance	kp/cm^2	
AGE	**FLEXURAL STRENGTH**	**COMPRESSIVE STRENGTH**
30 minutes	12	38
3 days	37	225
7 days	57	362
28 days	52	407

Test. nº. 14-1/83-M INCE, MADRID.

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