

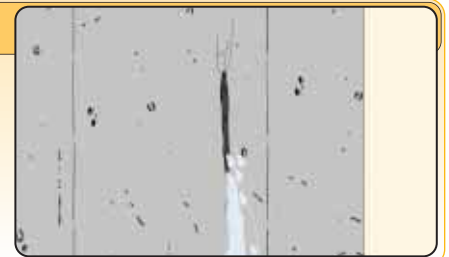


BETONRAPID

QUICK SETTING HYDRAULIC CEMENT FOR SEALING HOLES AND CRACKS IN THE PRESENCE OF WATER

PROBLEM

In places without adequate waterproofing or where the hydrostatic pressure from the water table is present, infiltration may occur through cracks, cast concrete, distancing steelwork, etc. or from water seepage through capillaries. If these infiltrations are not stopped immediately, damage which can accumulate in a short time will turn a small drip into a flood with all the serious problems which will result.



DESCRIPTION

BETONRAPID is a ready to use, quick setting, waterproofing hydraulic cement containing additives. The product should be mixed with water and has anti-shrinkage properties. It bonds perfectly to the support, forming one body with the structure.

FIELDS OF USE

BETONRAPID is a specific product for stopping water flow immediately. It rapidly seals holes, cracks and seeping surfaces, immediately becoming resistant enough to block

the flow of water under pressure. Total waterproofing is then possible using OSMOSEAL, osmotic waterproofing cement. **BETONRAPID** is not suitable for sealing supports subject to continuous movement due to structural settling and dilation.

COVERAGE

The yield is roughlyly 1.2 kg/litre.

PRECAUTIONS

- Clean tools immediately after use with water.
- Use protective gloves when applying by

hand or mixing.

- Store the product in a dry place, taking all of the normal precautions necessary for cement products.
- Keep in the original containers.

SAFETY REGULATIONS

- When mixing the product wear a suitable mask to protect the respiratory tract.
- Protect hands and eyes with gloves and goggles.
- If the product comes into contact with the eyes, wash immediately with abundant water.

METHOD OF USE

• SUBSTRATE PREPARATION

Thoroughly clean the surfaces, removing crumbling or loose parts from the walls. Holes should be opened out with a chisel to a depth of 2 cm and the edges should be levelled for better bonding in the cavity (1).

Wet the surfaces before applying **BETONRAPID**.

• MIX PREPARATION

Pour the water into a container, add **BETONRAPID** and mix until reaching a plaster consistency, then knead by hand (2) (use rubber gloves) until a ball shape is obtained. Hardening times vary depending on the temperature of the water, the surrounding environment and the surface; during winter mix use warm water, when the temperature is high use cold water.

• APPLICATION

- IN CRACKS

Small quantities of material are quickly prepared and rapidly applied by hand, pressing the small balls of **BETONRAPID** into the hole or crack with the maximum pressure using the palm of the hand until the water seepage stops (3). Once set, after about half an hour the walls may be waterproofed with OSMOSEAL (4). Vertical cracks should always be sealed starting from the top and working downwards.

- ON LEAKING SURFACES

Mix **BETONRAPID** and Osmoseal in different ratios to obtain different hardening times in order to block the water seeping through the surface.

- WITH DRAINAGE CHANNELS





When the water emission is restricted and consistent, it is advisable to use a flexible PVC plastic tube which is introduced into the hole for drainage purposes. **BETONRAPID** will then be applied, filling the hole around the tube. Apply a slight pressure to the tube until the **BETONRAPID** has fully hardened. The size of the drainage tube will depend on the leak. When the tube has been positioned the water will begin to flow and may be channelled towards the exterior of the building. The surrounding area may then be waterproofed with OSMOSEAL waterproofing hydraulic cement. The drainage channel should be removed when the waterproof structure is completely dry and has hardened sufficiently to resist water under pressure. After having extracted the plastic tube, the opening must be closed immediately with a small ball of **BETONRAPID**.

• SETTING TIME

From 30 to 60 seconds depending on the temperature and the water in the mix.



TECHNICAL CHARACTERISTICS

	BETONRAPID
 Appearance	powder
 Colour	grey
 Setting time at 20°C	from 30 to 60 seconds
 Shelf life in the original containers	12 months

ring the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.


WATERPROOF


TO BE APPLIED BY TROWEL


+ 5°C
MINIMUM APPLICATION TEMPERATURE


RECYCLABLE


NON-DANGEROUS WASTE


D.P.I.
WEAR PROTECTIVE CLOTHING

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX S.p.A. at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Consider

ADVANTAGES

- **Rapid and immediate solution to the problem of infiltration.**
- **Easy to use.**
- **Highly resistant and impermeable.**

PRODUCT



PACKAGING

25-kg pails.
5-kg cans.

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE
 • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS

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Construction Systems and Products

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