










BETONRAPID

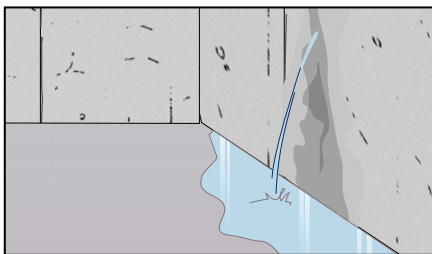
QUICK SETTING HYDRAULIC CEMENT
FOR SEALING HOLES AND CRACKS IN THE PRESENCE OF WATER

GRANTS *LEED* CREDITS

CHARACTERISTICS	ENVIRONMENTAL	METHOD OF USE			PRECAUTIONS	
 IMPERMEABLE	 ECO GREEN	 RECYCLABLE	 MIX MECHANICALLY	 SPRAY APPLICATION	 APPLY BY TROWEL	 STORAGE: IN A DRY PLACE

PROBLEM

STOP INFILTRATIONS OF WATER UNDER PRESSURE



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.

SOLUTION

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.

APPLICATION FIELDS

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.

ADVANTAGES

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

METHOD OF USE

• SURFACE 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 bevelled 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 using 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 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 of the mixture.

- 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 cleaned out hole for drainage purposes. The **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

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TECHNICAL CHARACTERISTICS

	Standard	BETONRAPID
Appearance		Powder
Colour		Grey
Storage in original packaging in a dry place		12 months
Mix properties and workability	Normativa	
Workable mix duration (*)		30 ÷ 60 seconds
Application temperature		+5°C ÷ +35°C

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. The data shown may vary depending on the specific work site conditions: temperature, humidity, ventilation, absorbency of the base coat.

(*) The stated times are longer or shorter as the temperature decreases or increases.

(See previous)

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.

• CONSUMPTION

The yield is roughly 1.2 kg/litre.

• PRECAUTIONS

- Use cold water in summer and water at approximately 20°C in winter.
- Application temperature from +5°C to +35°C.
- Do not add water once the mix starts to set.
- Do not add any other materials, such as cements, aggregates and additives.
- In hot weather, keep damping the finished plastered surface for at least 24 hours to stop it from drying out too quickly.
- Do not apply on smooth surfaces.
- Straight after application clean the tools with water and the coated surfaces with a damp cloth.
- Do not expose the material to the sun in hot weather.

- Store in original closed packaging in a dry place.

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.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX 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. Considering

PACKAGING

BETONRAPID

20-kg-Pail

5-kg-Bag - Box with 5 bags

• 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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