



APPLICATION SHEET

Waterproofing and repair of basins and old washhouses

Carry out your repairs and **jointing works** using a **PROMPT natural cement mortar**, high-performance, workable and waterproof, suitable for both masonry structures (stone, brick) and old concrete structures **made with Portland cement or PROMPT natural cement**.



IMPLEMENTATION

Equipment _____

- Hammer, chisel
- Pointing trowel
- Jointing iron
- Wooden wedges
- Wire brush
- High-pressure washer
- Float
- Level, mixing trough
- Trowel
- Electric mixer or concrete mixer

Materials _____

- Sand 0/2 and 0/4
- PROMPT natural cement (CNP)
- TEMPO (retarder)

ADVANTAGES OF PROMPT NATURAL CEMENT

- Rapid return to service
- Durability
- Cost-effective and traditional solution
- Environmentally friendly: safe for aquatic life

Consumption _____

(per cm thickness per m²)

- **Cracks and elements:**
Approx. 7 kg of CNP for 7 L of sand

*1 l = 1 kg de CNP

CNP = PROMPT natural cement

IMPLEMENTATION

Dosage

PROMPT natural cement	Sand (0/4 or 0/2 mm)	TEMPO	Water
1 l	1 l	1 level cap per liter of CNP	0.3 to 0.5 L per volume of CNP

Note: For areas not in contact with water, follow the recommendations provided in the application sheets: Stone Repair and Concrete Repair. Setting adjustment with TEMPO must consider the temperature of the substrate, materials and mixing water.

Setting time of PROMPT natural cement

Mortar temperature	10° C	20° C	30° C
Setting time without TEMPO*	4 min	2 min	1 min
Setting time with TEMPO*	50 min	25 min	15 min

Substrate preparation

Concrete substrate:

1. Identify cracks (visible after spraying water and partial drying)
2. Enlarge if necessary, clean and remove debris
3. Remove friable parts if elements are damaged
4. Thoroughly wet – substrate must be damp but not dripping

Masonry substrate:

1. Clean joints deeply
2. Remove roots if present (preferably from outside)
3. Remove moss, lichens, etc. from the surface
4. Remove friable parts
5. Thoroughly wet – substrate must be damp but not dripping

IMPLEMENTATION RECOMMENDATIONS

- Do not remix after setting has started
- Avoid excess water
- In cold weather: minimum application temperature 2°C, on non-frozen substrates with no frost risk during the day
- In hot weather: avoid mixing above 30°C. Work with cold water and sand stored in the shade

Mortar preparation

- Dry-mix PROMPT natural cement, TEMPO and sand (in small batches if TEMPO is not used)
- Homogenize the mixture
- Add water until a plastic consistency is obtained

Application

Apply using a trowel or spray pot.

Placement

Compact the mortar firmly to ensure good adhesion.

Finishes

Jointing (packing or grouting)

Same dosage as above.
For joints well above water level, a lime/PROMPT/sand mortar can be used (less waterproof, lighter color).

Remove excess mortar and clean stones immediately to avoid staining.

NOTE: Between two substrates with different thermal expansion coefficients (e.g. concrete/stone): a flexible resin-based mortar or a swelling sealant may be applied at the bottom of the joint before applying the PROMPT mortar.

Coatings

On walls intended to permanently retain water (canals, basins, etc.), apply an additional waterproofing coating using PROMPT mortar, extending above water level. Refer to the waterproofing application sheet.



TIP

For repairing seeping, flowing or pressurized water surfaces (e.g. canal walls that cannot be drained or sewer structures): apply a first rough coat of PROMPT mortar or neat paste without retarder over the entire surface (temporary application).

This immediately seals microcracks. Only larger cracks will remain visible and must be treated as described in the "water ingress stopping" application sheet.



Curing

Keep exposed surfaces moist for at least 24 hours.

For other parts, refilling can be done within the same day.



DO NOT FORGET PPE

Wear appropriate protective equipment. Contact between skin and cement paste, concrete or fresh mortar may cause: irritation, allergic reactions, burns.

