

APPLICATION SHEET

Carry out cut stones work

Build several courses of stone in the same day using PROMPT natural cement, enabling **rapid commissioning of structures.**



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IMPLEMENTATION

Equipment

- Electric mixer
- Concrete mixer
- Wooden or plastic shims
- Traditional stone masonry tools

Materials

- PROMPT natural cement (CNP)
- Sand (depending on joint thickness)
- TEMPO (retarder)

ADVANTAGES OF PROMPT NATURAL CEMENT

- Respect for the stone
- Improved productivity and speed
- Good adhesion
- Permeable mortars

Consumption




(per cm thickness per m²)

- **Soft stone:**
Approx. 4 kg of CNP for 8 L of sand
- **Hard stone:**
Approx. 7 kg of CNP for 7 L of sand

*1 l = 1 kg of CNP

IMPLEMENTATION

Dosage

	PROMPT natural cement	 Sand	 TEMPO	 Water
Soft stone (<10 MPa)	1 l	2 l	1 level cap per liter of cement	Adjust to required consistency
Hard stone (>10 MPa)	1 l	1 l	1 level cap per liter of cement	

*In cold weather (<15°C), this dosage can be reduced by half

Setting time of PROMPT natural cement

Mortar temperature	Ratio CNP/Sand (in liters)	10° C	20° C	30° C
Soft stone (<10 MPa) Setting time without TEMPO*	1/2	80 min	40 min	20 min
Hard stone (>10 MPa)	1/1	50 min	25 min	15 min

*Indicative values

Substrate preparation

→ Moisten substrates and stones without leaving standing water. For highly porous stones, pre-wet thoroughly the day before

Mortar preparation

→ Mix PROMPT natural cement, sand and TEMPO to homogenize ›

→ Add water and mix until obtaining:

- › Plastic consistency for highly absorbent stone
- › Firm consistency for low absorption
- › Fluid consistency for grouting

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

Installation

- Prepare leveling pads using PROMPT mortar and adjust levels according to layout
- Wait for initial set of pads, then prepare fresh mortar adjusted to stone size and working time
- Spread bedding mortar slightly thicker than pads
- Place the stone manually or using lifting equipment and adjust alignment and plumb immediately
- Execute vertical joints by packing or grouting. In this case, use the 1 L / 1 L ratio. Insert foam joint between stones to prevent leakage and reserve space for final joint
- Remove excess mortar and clean the stone immediately to prevent staining
- Proceed with installation of the next stone using the same method
- The next course can be laid within one hour after setting, using wooden shims to ensure uniform joint thickness



DO NOT FORGET PPE

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

