

# Cemenrapid

Pre-mixed mortar with rapid hardening and controlled shrinkage, for all-purpose fixing.



## Fields of application:

- for the rapid fixing of:
  - frames
  - external fixtures
  - junction boxes
  - grates
  - fences
  - pipes
  - manhole covers
  - safes
  - clamps
- for a rapid anchorage on floors or walls in building works;
- professional use only.

## Characteristics:

**Cemenrapid** is an all-purpose mortar with rapid setting. Made of cements and selected grain size aggregates, able to develop high resistance properties, it can be used in indoor and outdoor civil, commercial and industrial applications.

## Preparation:

The base must be sound, compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax. Carefully wet the area to be treated and, using water, cool any surfaces that have heated up through exposure to sunlight.

## Application:

Mix **Cemenrapid** with clean water, to obtain a smooth, lump-free paste. Do not add other aggregates or hydraulic binders to **Cemenrapid**. If the mixture is already hardening, do not attempt to restore workability by adding water. Mix small amounts of the product, which must be used very quickly as it begins to set just two or three minute after mixing. During water, we recommend you use water with a temperature of + 20°C. In warmer periods and hotter temperatures, use very cold water for mixing. These techniques will ensure the setting time remains within prescribed standards. The mixture should be applied with a standard trowel. Elements of a considerable weight, such as secondary frames, gates, etc., must be held in place for a few hours.

## Quality and Environmental Standards:

**Cemenrapid** undergoes constant, careful testing at our laboratories, in compliance with the legislation in force-UNI EN ISO 9001/2015.

Characteristics	Application methods	Consumption
One-component Without shrinkage High workability Rapid setting For indoor and outdoor application Granulometry: 0.5 mm	Trowel Spatula	1.8 kg/l of volume to be filled
		Storage
		Shelf life of 12 months in the original packages and in a fresh, dry place

Code	Product	Form and color	Packages	Pallet
400110	Cemenrapid	Grey Powder	10 x 2 kg	480 kg
400105	Cemenrapid	Grey Powder	4 x 5 kg	480 kg
400025	Cemenrapid	Grey Powder	25 kg	1500 kg

### Warning:

- clean and dampen the surfaces to treat;
- measure out the amount of water required, making sure you do not exceed the amount specified on the pack;
- do not use to restore decayed concrete constructions;
- do not leave the bags exposed to sunlight before use.



## Technical and application specifications

Hazard classification as per Directive 99/45/EC:	<b>irritant</b>
Mixing water:	<b>20-21% (weight) - i.e. 5 l per 25 kg bag</b>
Specific weight of mixture:	<b>2.10 g/cm<sup>3</sup></b>
Mixture pH:	<b>approx. 11</b>
Setting time:	<b>2/4 minutes at +20°C</b>
Pot life:	<b>approx. 2 minutes at +20°C</b>
Application temperature:	<b>from +5°C to +35°C</b>
Waiting time between applying one coat and the next:	<b>approx. 5 minutes at +20°C</b>
Ready for use:	<b>3-4 hours</b>

## FINAL PERFORMANCE SPECIFICATIONS

Compression resistance after 20 minutes:	<b>6.60 N/mm<sup>2</sup></b>
Compression resistance after 3 hours:	<b>10.00 N/mm<sup>2</sup></b>
Compression resistance after 7 days:	<b>17.30 N/mm<sup>2</sup></b>
Compression resistance after 28 days:	<b>38245090</b>
Room/ambient temperature:	<b>from -30°C to +90°C</b>
Harmonised customs code:	<b>3816000000</b>

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.