

To contact us

[www.cimentfondu.com](http://www.cimentfondu.com)

Your local merchant

To ensure compliance with the European directive 2003/53/CE Ciment Fondu® is verified according to the NF P15-590 standard. It is not necessary to add a reducing agent for soluble Chrome (VI).

Kerneos only guarantees that the products are conformant with the specifications, to the exclusion of any other express or implied warranty. Kerneos shall not be held liable with regard to the use of the products for a specific usage. Volumes are given for information purposes only.

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# Practical Guide Ciment Fondu®





## Set acceleration of Portland cement mortars



### Very rapid setting between 3 and 10 minutes

### Rapid setting between 10 and 30 minutes

#### Applications

- Temporary support work
- Bedding in machinery
- Renders
- Fixing barriers and fences



#### Directions for use

- Prepare mortars accelerated with Ciment Fondu® in small quantities, 10 litres for example
- Use within 5 to 10 minutes
- Clean tools immediately after use
- Use only for non structural applications



#### Applications

- Patch repairs, fixing in hinges and bolts
- Repairing precast elements
- Water stops...



#### Directions for use

- Prepare mortars accelerated with Ciment Fondu®, 3 litres for example
- Use within 1 to 2 minutes
- Clean tools immediately after use
- Use only for non structural applications



#### Mix proportions for rapid setting between 10 and 30 minutes



Ciment Fondu®



2 x 500 g  
Ciment Fondu®



10 l



Mortar/concrete with 350 kg of Portland cement per m<sup>3</sup>

#### Mix proportions for rapid setting between 3 and 10 minutes



Ciment Fondu®



3 x 500 g  
Ciment Fondu®



10 l



# Rapid return to service of concrete and mortars



## Fast hardening and rapid drying Ciment Fondu® concretes and mortars

### Applications

- Road & rail repairs (traffic after 6 hours)  
office & retail flooring
- Ready to accept floor (covering after 48 hours)
- Street-furniture & signs
- Setting in security fencing, posts and gates
- Cold weather concreting down to - 10°C  
(protect from freezing prior to set)
- Industrial floors



### Mix proportions for concrete\*



### Mix proportions for mortar\*



### Directions for use

#### PREPARATION

All formwork should be watertight clean and coated with mould oil. To provide a good key for bonding, the base concrete should be free of laitance and soaked with water.

#### MIXING

Mix cement and aggregates in the mixer or with a shovel. The ingredients are usually added in the following order : 80% of the prepared water, gravel, Ciment Fondu®, sand, balance of the water, to obtain a plastic consistency.

#### CASTING

For the best performance, the concrete should be compacted by rodding or vibration.

#### DEMOULDING

Should be done as soon as possible (normally 4-5 hours after casting for non load-bearing structures).

#### CURING

Due to the rapid evolution of heat during hardening, Ciment Fondu® based concrete and mortars must be kept damp immediately after setting and during the first 24 hours by regular spraying of water, use of wet sacking or a curing compound.



### Guidelines

- Use clean mixing equipment and drinking water
- Never exceed 10 litres of water for 25 kg of Ciment Fondu® (water/cement < 0.40)
- In hot weather, use cold water, avoid hot materials and avoid working in direct sunlight.



\* water/cement ≤ 0.4 is the minimum proportion of Ciment Fondu® for 400 Kg/m³. According to EN 14647 standard.



USE AS CEMENT

## To resist extreme conditions



### High temperatures

#### Applications

- Fireplace & chimney construction
- Barbeques & pizza ovens
- Incinerators
- Fire training areas
- Foundry floors & metallurgical works



#### Guidelines

- Selection of the aggregates should be appropriate to the temperature requirement (See below)

Type of aggregates	Maximum service temperature
Siliceous	500°C
Basalt/granite	800°C
Alag®	1100°C
Chamotte	1250°C



- Allow at least 48 hours prior to use

#### Mix proportions

For more information contact our technical department.

#### Applications

- Sewer networks
- Marine environments
- Agricultural buildings
- Food processing industries

#### Directions for use

- Use clean mixing equipment and drinking water
- Never exceed 10 litres of water for 25 kg of Ciment Fondu® (water/cement < 0.40)
- In hot weather, use cold water, avoid hot materials and avoid working in direct sunlight

### Corrosion



#### Mix proportions for concrete



#### Mix proportions for mortar



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