To contact us

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 Ltd.
Dolphin Way, Purfleet, Essex, RM19 1NZ
Tel: 01708 863333 - Fax: 01708 861033
Set acceleration of Portland cement mortars

Very rapid setting between 3 and 10 minutes

Rapid setting between 10 and 30 minutes

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 3 and 10 minutes

Ciment Fondu® 3 x 500 g

Ciment Fondu®

Mortar/concrete with 350 kg of Portland cement per m²

Mix proportions for rapid setting between 10 and 30 minutes

Ciment Fondu® 2 x 500 g

Ciment Fondu®

10 l

Ciment Fondu®

10 l
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

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.

Mix proportions for concrete*
- Water 10 l
- Gravel 40 l
- Sand 25 l
- Ciment Fondu® 25 kg

Mix proportions for mortar*
- Water 10 l
- Sand 40 l

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.
**Mix proportions for mortar**

- **Water**: 10 l
- **Sand**: 40 l
- **Ciment Fondu®**: 25 kg

**Mix proportions for concrete**

- **Water**: 10 l
- **Gravel**: 40 l
- **Sand**: 25 l
- **Ciment Fondu®**: 25 kg

---

**Applications**
- Fireplace & chimney construction
- Barbecues & pizza ovens
- Incinerators
- Fire training areas
- Foundry floors & metallurgical works

**Guidelines**
- Selection of the aggregates should be appropriate to the temperature requirement (See below)
- Allow at least 48 hours prior to use

**High temperatures**

<table>
<thead>
<tr>
<th>Type of aggregates</th>
<th>Maximum service temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Siliceous</td>
<td>500°C</td>
</tr>
<tr>
<td>Basalt/granite</td>
<td>800°C</td>
</tr>
<tr>
<td>Alag</td>
<td>1100°C</td>
</tr>
<tr>
<td>Chamotte</td>
<td>1250°C</td>
</tr>
</tbody>
</table>

**Corrosion**

- 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

**Mix proportions for concrete**

- **Water**: 10 l
- **Gravel**: 40 l
- **Sand**: 25 l
- **Ciment Fondu®**: 25 kg

---

For more information contact our technical department.