

Portlandcement EN 197-1 CEM I 52.5 N  
Mosonmagyaróvár plant  
External monitoring by TSUS, Studená 3, 821 04 Bratislava

## Application range

**CEM I 52.5 N cymment C** is characterized by very good early strength development and has been optimized for combination with the Type II addition cymment L. When producing concrete, the associated quality features such as the high grinding fineness and the higher water requirement must be considered. This enables shorter formwork removal periods and optimized construction progress in combination with the Type II addition cymment L. By using the addition cymment L, it is possible to produce a CO<sub>2</sub>-reduced concrete. Chromate-reduced.

**CEM I 52.5 N cymment C** is suitable for the production of ready-mixed concrete and precast concrete elements in combination with the Type II addition cymment L, especially for CO<sub>2</sub>-reduced concrete.

The compacted, fresh concrete must be protected from drying out too quickly after installation. Suitable curing of concrete (e.g. spraying the surface with water, covering or leaving it in the covered formwork for a longer period) is necessary in the first 3 – 6 days.

## Product properties

Characteristic values	Standard values	Requirements according to ÖNORM EN 197-1
Density [g/cm <sup>3</sup> ]	3.1	-
Grinding fineness (Blaine) [m <sup>2</sup> /kg]	5000	-
2d-compressive strength [MPa]	35	≥ 20
28d-compressive strength [MPa]	65	≥ 52.5
Initial setting time [min]	140	≥ 45

## Delivery

**Delivery:** Loose in silo truck  
**Storage:** Dry in closed silos  
**Shelf life:** Dry in silo 12 months

