

## White portland cement strength class of 52.5 N

White portland cement strength class of 52.5 N with a guaranteed minimum strength of 52.5 MPa after 28 days and minimum initial strength of 20.0 MPa after 2 days. The white Portland cement opens new dimensions in design and construction, excellent quality, high strength, and aesthetic appearance.

### Advantages:

- Excellent compatibility with plastification admixtures
- Superior quality and high durability
- Production of white or coloured concrete, plaster or mortar with suitable pigments
- One way to achieve saturated colours, and fine surface textures
- High strength and an unlimited formability
- Decorative harmony and universal use

### Application fields:

General purpose of use in the fields of precast concrete elements, precast concrete products, autoclaved aerated concretes, dry mixtures in construction.

### Manufacturer:

- Danucem Slovensko a.s. Plant Rohozník

### Shipping options:

- bulk in tanker trucks • dispatched from: Rohožník Plant

| Product marking | Product name   | Clinker  | Additives |
|-----------------|----------------|----------|-----------|
| CEM I 52.5 N    | White portland | 95-100 % | 0 - 5 %   |

CEM I 52.5 N white complies with EN 197-1:2011. TSÚS Bratislava supervises the production.

Danucem Slovensko a.s. has established a quality management system according to EN ISO 9001:2015 and an environmental management system according to the EN ISO 14001:2015.

### Technical parameters CEM I 52.5 N white

| Parameter                             | Test method | EN 197-1: 2011 | Typical value |
|---------------------------------------|-------------|----------------|---------------|
| SO <sub>3</sub> content (% wt.)       | EN 196-2    | ≤ 4.0          | 2.7           |
| Cl <sup>-</sup> content (% wt.)       | EN 196-2    | ≤ 0.1          | 0.01          |
| Volume stability (mm)                 | EN 196-3    | ≤ 10           | 0.5           |
| Setting time (min.)                   | EN 196-3    | ≥ 45           | 115           |
| Compressive strength in 2 days (MPa)  | EN 196-1    | ≥ 20.0         | 38.0          |
| Compressive strength in 28 days (MPa) | EN 196-1    | ≥ 52.5         | 61.0          |
| Whiteness (Ry %)                      | -           | -              | 82 - 84       |

CEM I 52.5 N white meets the requirements of Decree No. 275/2004 on Reduced Cr<sup>6+</sup> Content.

The average values given in the Product Data Sheet are purely informative and may differ from specific samples.



### Contact:

For further information about sales or technical details contact, visit [www.rohoznikwhite.com](http://www.rohoznikwhite.com)