

## White Portland-slag cement strength class of 52.5 N

White portland slag 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:

- Low changes in volume
- 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

### Application fields:

Primary use is autoclaved aerated concretes. It could be used in production in ready-mix concrete (even post stressed elements), precast concrete elements (even pre-stressed elements), precast concrete products, dry mixtures in construction.

### Manufacturer:

- Danucem Slovensko a.s. Plant Rohoznik

### Shipping options:

- bulk in tanker trucks • dispatched from: Rohožník Plant

Product marking	Product name	Clinker	Blast Furnace Slag	Additives
CEM II/A-S 52.5 N	White portland slag cement	80 - 94 %	6 - 20 %	0 - 5 %

CEM II/A-S 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 II/A-S 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	125
Compressive strength in 2 days (MPa)	EN 196-1	≥ 20.0	31.0
Compressive strength in 28 days (MPa)	EN 196-1	≥ 52.5	60.0
Whiteness (R <sub>y</sub> %)	-	-	80 - 83

CEM II/A-S 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:  
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