

White Blast Furnace Portland-slag cement strength class of 42,5 R

White blast furnace cement strength class of 42.5 R with a guaranteed minimum strength of 42.5 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:

- highest quality and high durability
- excellent functionality and unrivalled appearance
- for lower development of hydration heat is suitable for use in summer
- low changes in volume
- excellent processability
- excellent compatibility with plastification admixtures
- possible to add pigments to concrete
- high final compressive strength

Applications:

- Highest quality and high durability
- Production of white or coloured concrete by suitable pigments
- Ready mix production, and production of transported concrete
- Production of plain concrete of higher strength classes and reinforced concrete structures
- Plaster and masonry mortar

Manufacturer:

- Danucem Slovensko a.s. Plant Rohozník

Shipping options:

- bulk in tanker trucks • dispatched from: Rohožník Plant

Product marking	Product name	Clinker	Blast Furnace Slag	Additives
CEM III/A 42,5 R	White Blast furnace cement	35 - 64 %	36 - 65 %	0 - 5 %

CEM III/A 42,5 R 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 III/A 42,5 R white

Parameter	Test method	EN 197-1: 2011	Typical value
SO ₃ content (% wt.)	EN 196-2	≤ 4.0	2.0
Cl ⁻ content (% wt.)	EN 196-2	≤ 0.1	0.01
Soundness (mm)	EN 196-3	≤ 10	1,5
Setting time (min.)	EN 196-3	≥ 60	140
Compressive strength in 2 days (MPa)	EN 196-1	≥ 20.0	23.0
Compressive strength in 28 days (MPa)	EN 196-1	≥ 42.5 ≤ 62.5	61.0
Whiteness (Ry)	-	-	80-83

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

CEM III/A 42,5 R white meets the requirements of Decree No. 275/2004 on Reduced Cr⁶⁺ Content.



Contact:
For further information about sales or technical details
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