

PC 50M (V-L) 42,5N

according to SDO 15 001:2021 ("Official Gazette of RS " No.120/21)

CEM II/C-M(V-L) 42,5N according to EN 197-5:2021

Cement PC 50M(V-L) 42,5N / CEM II/C-M(V-L) 42,5N is produced by grinding portland cement clinker and mixture of siliceous fly ash and limestone with optimal gypsum content.

Properties of cement:

TYPICAL PROPERTIES OF CEMENT IN TCK* PC 50M(V-L) 42,5N		STANDARD REQUIREMENTS 15 001:2021 EN 197-5:2021	
		Requirements given as characteristic values	Limit values for single results
SO ₃ , %	2,4 ± 0,1	≤ 3,5	≤ 4,0
Cl ⁻ , %	0,005 ± 0,002	≤ 0,10	≤ 0,10
Initial setting time, min	170 ± 20	≥ 60	≥ 50
Soundness (expansion), mm	1,0 ± 0,5	≤ 10	≤ 10
Early strength (2 days), MPa	18,0 ± 2,0	≥ 10,0	≥ 8,0
Standard strength (28 days), MPa	48,0 ± 2,0	≥ 42,5; ≤ 62,5	≥ 40

* these figures are typical, serve as a guide and are subject to change;

CERTIFICATES

Cement PC 50M(V-L) 42,5N/ CEM II/C-M(V-L) 42,5N is produced according to SDO 15 001:2021 ("Official Gazette of RS No.120/21) and EN 197-5:2021.

For this product we have:

1. Certificate of Constancy of Performance No. I 030/22-ZGP-IMS-330/22.
2. Certificate of Conformity No. 10.09.0502/01

CEMENT CHARACTERISTICS

Consistent quality (water-to-cement ratio, setting time and strength);
 Normal early and standard strength;
 Optimal initial and final setting time;
 Low heat of hydration.

RECCOMENDATION FOR USE

Suitable for individual construction, masonry construction and finishing works.
 It is used in the construction of low-floor buildings, for reinforced and unreinforced concrete

elements: foundations, columns, walls, slabs, as well as for the construction of all kind of paths, plateaus, concrete fences and substrates.

TRANSPORTATION AND STORAGE

Cement is dispatched as bulk or in bags:

- 50 kg bags, wrapped up in PVC foil on 2 t palets or
- 25 kg bags, wrapped up in PVC foil on 1,6 t palets or as bulk.

During the transportation the product should be protected from contamination and moisture influence.

Bagged cement should be stored in dry room protected from moisture. If it is necessary that cement is being stored on open, bags should be put on dry palette and properly covered in order to avoid atmospheric influence.

Bags should be stored above ground on dry plank or palette.

Bulk cement should be stored in dry, water resistant, clean silo, protected from contamination.