

PC 35M(V-L) 32,5R (Rulebook on cement quality) CEM II/B-M (V-L) 32,5R (EN 197-1)

Cement is a hydraulic binder, i.e. finely ground inorganic material which, when mixed with water forms a paste, which sets and hardens by means of hydraulic reactions and processes, and which after hardening, retains its volume, strength and stability. Due to these features it is widely used in construction industry as the main ingredient of concrete and mortar.

PC 35M(V-L) 32,5R or CEM II/B-M (V-L) 32,5R is Portland Composite Cement that contains 65-79% clinker and 21-35% mixed addition of siliceous fly ash and limestone.

TYPICAL PROPERTIES OF CEMENT IN TCK* PC 35M(V-L) 32,5R		REQUIREMENTS OF STANDARD Rulebook on cement quality**	REQUIREMENTS OF STANDARD EN 197-1***
SO ₃ , %	1,4 ± 0,1	≤ 3,5	≤ 3,5
Cl ⁻ , %	0,007 ± 0,002	≤ 0,10	≤ 0,10
Initial setting time, min	180 ± 20	≥ 75	≥ 75
Soundness (expansion), mm	1,0 ± 0,5	≤ 10	≤ 10
Early strength (2 days), MPa	16,0 ± 1,0	≥ 10,0	≥ 10,0
Standard strength (28 days), MPa	40,0 ± 2,0	≥ 32,5; ≤ 52,5	≥ 32,5; ≤ 52,5

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

** limit values for single results;

*** requirements are given as characteristic values.

CERTIFICATES

Cement PC 35M(V-L) 32,5R / CEM II/B-M (V-L) 32,5R is produced in compliance with Rulebook on cement quality and EN 197-1.

For this product we have:

1. IMS Certificates in accordance with Rulebook on cement quality;
2. CE marking according to EN 197-1 issued by EUROCERT.

CEMENT CHARACTERISTICS

- consistent quality (water-to-cement ratio, setting time and strength);
- high initial strengths;
- optimal initial and final setting time;
- moderate 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 in:

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