PC 20M(S-L) 42.5R (Rulebook on cement quality*)*
CEM II/A-M(S-L) 42,5R *(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 20M(S-L) 42,5R or CEM II/A-M (S-L) 42,5R is Portland Composite Cement that contains 80-88% clinker and 12-30% mixed addition of slag and limestone.

TYPICAL PROPERTIES OF CEMENT IN TCK* PC 20M(S-L) 42,5R		**REQUIREMENTS OF STANDARD Rulebook on cement quality****	**REQUIREMENTS OF STANDARD EN 197-1*****
SO_3, %	2,15 ± 0,10	≤ 4,00	≤ 4,00
Cl^-, %	0,005 ± 0,002	≤ 0,10	≤ 0,10
Initial setting time, min	220 ± 20	≥ 60	≥ 60
Soundness (expansion), mm	1,0 ± 0,5	≤ 10	≤ 10
Early strength (2 days), MPa	25,0 ± 1,0	≥ 20,0	≥ 20,0
Standard strength (28 days), MPa	55,0 ± 2,0	≥ 42,5; ≤ 62,5	≥ 42,5; ≤ 62,5

* 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 20M(S-L) 42,5R/ CEM II/A-M(S-L) 42,5R 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, strength);
- light color of cement, suitable for combining with pigments;
- optimal initial and final setting time;
- moderate water requirements for standard consistency;
- rapid increase in strength;
- high level of strength at all times;
- the possibility of achieving high strength concrete.

RECOMMENDATION FOR USE

It is designed for all types of concrete, it is recommended to build a massive concrete structures, bridges, tunnels, roads and all types of buildings (residential, commercial and industrial). It is suitable for the production of concrete of high strength class, which is used in environments where are high demands on frost and salt resistance, and high water resistance. Suitable for making prefabricated concrete elements, as well as for the production of mass for finishing works in building (adhesives and dry mortars).

TRANSPORTATION AND STORAGE

Cement is dispatched as bulk.
During the transportation the product should be protected from contamination and moisture influence.

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