

## CEM III/B 32,5 N-LH/SR

Sulphate resistant blast furnace cement with normal early strength, 32,5 MPa standard strength and low heat of hydration according to MSZ EN 197-1.

### Scope of utilization

*Manufacturing readymix concrete:*

This type of cement is primarily recommended for producing concrete and concrete structure that is subject to aggressive chemical stress or the corrosive effect of sulphates furthermore producing concrete in high volumes as well as reinforced concrete. It can be built in monolith structures exposed to aggressive chemical effects reaching the maximum limit of exposure classification XA3.

The product is sold in bulk.



## Directions of use for the production of concrete mixtures and concrete structures with CEM III/B 32,5 N-LH/SR type of sulphate resistant cement with low hydration heat:

Normal early strength, 32,5 MPa standard strength special cement with low heat evolution, high post-strengthening and sulphate resistance. In winter conditions it is recommended for use indoors or with increased frost protection. It is mainly recommended to be used for producing C8/10 – C35/45 compressive strength class concrete mixtures.

In order to achieve great usability and low water/cement factors the application of plasticizer or super plasticizer admixtures is suggested. With decent handling and appropriate compression beautiful surfaces can be produced. Due to its composition and low heat development the appropriate mix of concrete made with this type of cement has a low chance of cracking.

Aftercare of the structure is very important and has to be planned while taking into consideration the actual weather conditions and local facilities.

Packing:	in bulk: in tanker trucks
Transportation:	on road or by rail
Storage:	dry, in closed silos, protected from moisture
Durability:	bulk - two months in dry silos after delivery
Colour In powder form:	light grey, colour may vary compared to other cements and types
Date of issuing:	30. June 2023
Valid:	until revocation

Please ask for and use our safety data sheet!

## MSZ EN 197-1 CEM III/B 32,5 N-LH/SR cement technical parameters

Cement composition CEM III/B 32,5 N-LH/SR contains the amount of clinker and other additives that is set in standard MSZ EN 197-1. Furthermore it contains anhydrit in the amount necessary for controlling the start of the setting.

Technical parameters	Typical value	Standard
Start of setting time (minutes):	270	≥ 75
7 day compressive strength (MPa):	21,0	≥ 16,0
28 day compressive strength (MPa):	47,0	≥ 32,5 ≤ 52,5

Above technical parameters are given by the results measured at the quality assessment laboratory of Holcim Hungary Ltd. The assessments have been carried out according to the effective MSZ EN 196-1; MSZ EN 196-3 and MSZ EN 196-6 standards.

Given parameters are informative, please ask for assistance from our adviser colleague.

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