

SSC 32.5 N H-IONA CE CEMENT TECHNICAL DATA SHEET

COMPLYING WITH NF EN 15743 + A1



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*Information on level of volatile substances emissions into indoor air at risk for high inhalation toxicity on a class scale from A+ (very low emissions) to C (high emissions).



“ **THE MOST DECARBONISED CEMENT ON THE MARKET, SUITABLE FOR A WIDE RANGE OF APPLICATIONS** ”

Areas of d'application

- Reinforced or unreinforced concrete
- Industrial buildings, collective housing and individual houses : foundations, slabs, various masonries
- Civil engineering and large-scale works : rafts for wind turbines, foundations, etc...
- Agricultural concrete: slurry pits, silos and storage facilities (manure, silage, etc.)
- Concrete for wastewater treatment plants
- Lightweight prefabrication (with adapted heat treatment)

Recommendations for the use

- Use clean, organic-free aggregates
- Follow the dosages and standard rules for the implementation
- Aim for a water/cement ratio that is preferably lowest possible, compatible with a good rheology of fresh concrete
- Use only the additives recommended by HOFFMANN GREEN CEMENT
- Take all the necessary precautions to avoid premature drying in hot or windy weather by systematically curing with the products proposed by HOFFMANN GREEN CEMENT
- Adapt the vibration of the concrete to its consistency to get an optimal compactness without segregation
- Use appropriate personal protective equipment (PPE): gloves, waterproof shoes, glasses, etc...
- No casting at temperatures below +5°C during concrete curing (12 hours)

Chemical and elemental characterisations

Properties		Requirements 32.5N		Values				
Ignition loss (in %)		< 5,0		3,84				
Insoluble residue (in %)		< 5,0		0,85				
Sulphate (SO ₃) content (in %)		5,0 à 12,0		6,63				
Chloride content (in %)		< 0,10		0,008				
Al ₂ O ₃	CaO	Fe ₂ O ₃	K ₂ O	MgO	Mn ₂ O ₃	Na ₂ O	SiO ₂	TiO ₂
9,60%	40,88%	0,76%	0,38%	6,04%	0,17%	0,66%	28,84%	0,59%

Physical and mechanical characteristics

Density (g/cm ³)	2.81
Blaine surface (cm ² /g)	5046
Heat of hydration at 120h (J/g)	124
Colorimetry (L)	84,4

Compressive strength in MPa

7d	28d
29.3	39.2

Super sulphated cement SSC 32.5 N H-IONA CE

Unique identification code : SSC 32,5 N H-IONA CE
Reference standard : NF EN 15743 + A1 - Super sulphated cements of June 2015
CE Certificate : N° 0333-CPR-104101

Availability : Bulk, Big bag of 1T, bag of 25 kg
Shelf-life : 9 months (under dry storage conditions)