

# H-UKR CEMENT TECHNICAL DATA SHEET

## COMPLYING WITH NF EN 196-1 AND 2 STANDARDS



### TECHNICAL & INNOVATION SERVICE

Vendéopôle - Vendée Centre  
57 rue Henri Adolphe Archereau  
85480 Bournezeau  
Tél. 02 51 460 600  
contact@ciments-hoffmann.fr



\*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 BEST CO<sub>2</sub> IS THE ONE THAT IS NOT PRODUCED ”

## Areas of application

- Any concrete consistency grade (S1 to self-placing)
- Suitable for RMC (ready mix concrete) / prefabrication with or without heat treatment
- Construction works: walls, columns, beams, floors, slabs, ...
- Civil works:rafts, foundations, slipforms, ...
- Roadworks and landscaping: extruded concrete, draining concrete, aggregate concrete, etc.

## Recommendations for the use

- Use clean, organic-free aggregates
- Use only the additives recommended by HOFFMANN GREEN CEMENT
- Limit the Water/Cement to promote resistance and reduce porosity
- Take all measures to avoid drying out in hot or windy weather by systematically curing with the products proposed by Hoffmann Green (no water curing, risk of dissolving the activators on the surface)
- 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)

### Elemental characteristics (%)

Ignition loss at 500°C	5,63
SiO <sub>2</sub>	33,12
Al <sub>2</sub> O <sub>3</sub>	9,19
Fe <sub>2</sub> O <sub>3</sub>	0,44
CaO	35,96
MgO	5,51
SO <sub>3</sub>	0,11
K <sub>2</sub> O	0,08
MnO	0,17
P <sub>2</sub> O <sub>5</sub>	0,09
Cl-	0,04
S <sub>2</sub> -	0,75
Insoluble	0,53
Residue Na <sub>2</sub> Oeq	4,80

> These values are given as an indication only. The results of self-check are available on request

The shelf life of H-UKR cement is 9 months (under dry storage conditions).

### Physical and mechanical characteristics

Density (g/cm <sup>3</sup> )	2.65
Blaine surface (cm <sup>2</sup> /g)	5000
Heat of hydration at 120h (J/g)	200
Colorimetry (L)	90

#### Compressive strength in MPa

2d	7d	28d	90d
21.3	37.7	52.9	64.9

The packaging is :  
- in bulk (max tank of 30T)  
- a big bag of 1T