

CHOOSE
CARBON-FREE CEMENT

**0% CLINKER
FOR YOUR
AGRICULTURAL
CONCRETE**



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FRENCH DECARBONATED CEMENT



**HOFFMANN
GREEN CEMENT**
Catalyst of
Carbon Transition

THE BEST CO₂ IS THE ONE THAT WE DON'T PRODUCE!

What is H-UKR cement?

- The only **0% clinker decarbonated cement with ATE_x A**, with a carbon footprint of 252 kgCO₂/T, **70% less than a CEM I**, offering excellent performance against aggressive agents.

In particular, it can be used to produce concrete for structures in exposure classes XA1 to XA3, such as agricultural structures, with competitive cement dosages and performance at a young age equivalent to that of a CEM II cement.

- It is therefore a logical technical and economic choice over traditional low-carbon cements for these types of environment (i.e. CEM III/A PM-ES or CEM V/A PM-ES type cements).

Lower carbon impact, without compromising on technical performance

In addition to its excellent technical performance, H-UKR cement reduces the carbon weight of agricultural concrete formulas by **25% compared with CEM III/A** and by **50% compared with CEM V**.

475 Kg CO₂/T of cement
either H-UKR ≈ -50 %

CLASS XA1 CEM V/A PM-ES
CONCRETE

334 Kg CO₂/T of cement
either H-UKR ≈ -25 %

CLASS XA1 CEM III/A PM-ES
CONCRETE

252 kg CO₂/T of cement

CLASS XA1 H-UKR
CONCRETE

Why choose decarbonated cements Hoffmann Green cements for your agricultural concretes?

- Very good performance in aggressive environments: equivalent to or better than low-carbon Portland cements.

| | Acidic environments | | | Biodegradability | |
|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 5.5 < pH < 6.5 | 4.5 < pH < 5.5 | pH < 4.5 | | |
| | Class XA1 | Class XA2 | Class XA3 | Class XA2 | Class XA3 |
| Feasibility | Validated | Validated | Validated | Validated | In progress |
| Cement dosage H-UKR | > 320 kg/m ³ | | | > 350 kg/m ³ | > 350 kg/m ³ |
| Cement dosage Portland | > 330 kg/m ³ | > 350 kg/m ³ | > 360 kg/m ³ | > 350 kg/m ³ | > 360 kg/m ³ |

Living and stabling areas

Environment classes : XA1, XA2 à XA3



Milking parlour and milkhouse

Environment classes : XA2, XA3



Roads and platforms

Environment classes : XF2, XA1



Storage areas

Environment classes : XA2, XA3



Methanisation plant

Environment classes : XA2, XA3



For more technical information on H-UKR cement, flash this QR code.





HOFFMANN GREEN CEMENT

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Industrial site

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