

PRODUCT CHARACTERISTICS

PRECALCULATED VALUES / STATIC LOADS

C-BLOCK® T (temporary application <6 months)

C-BLOCK® L (permanent application)

C-BLOCK®	Tensile strength (kN)		Shear (kN)	
	Design resistance $N_{rd, ucr}$		Design resistance $V_{rd, ucr}$	
	C-BLOCK® T	C-BLOCK® L	C-BLOCK® T	C-BLOCK® L
M12	5.7	Qualification ongoing	4.6	Qualification ongoing

STANDARD SERVICE CONDITIONS ⁽¹⁾

Features	C-BLOCK® T	C-BLOCK® L
Expected service life	6 months	Up to 60 years
Environment	Indoor locations	Indoor locations
Humidity	≤ 80%	≤ 60%
Service Temperature	5°C ≤ T ≤ 35°C	5°C ≤ T ≤ 25°C
Accidental Temperature	40°C	40°C
Radiation exposure	worker zone (i.e. <2 mSv/h)	worker zone (i.e. <2 mSv/h)
min. thickness of concrete substrate	100 mm	100 mm
min. distance to the edge	100 mm	100 mm
min. between two C-BLOCKS	160 mm	160 mm
Seismic resistance	Non	ongoing qualification

¹ For any non-standard conditions, differing from this datasheet, please contact COLD PAD for a customized analysis.



Financé par / Financed by



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Coldpad
SEAL BONDED



C-Block®

the non-intrusive
bonded fastener
for concrete

Co-developed with



"An innovative solution to streamline post-installation anchoring. A true alternative to traditional dowels!"

Head of Opérations at French Nuclear Power Utility

C-BLOCK®

You don't like dowels?
Neither do we!

RELIABLE AND DURABLE ALTERNATIVE TO DOWELS FOR CONCRETE

NON-INTRUSIVE

C-BLOCK® is a heavy-duty post-installation anchor that is bonded directly onto concrete surfaces, with no drilling, holes or dowels.

CONTROLLED & TRACEABLE PROCESS

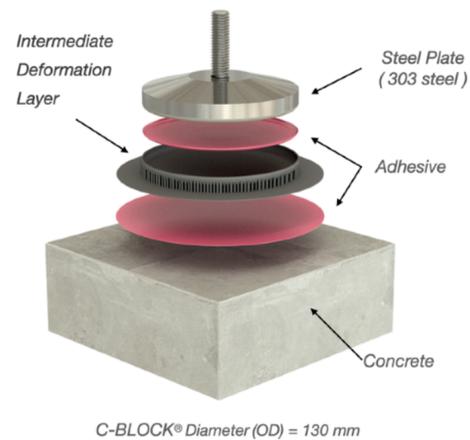
C-BLOCK® allows for a reliable and repeatable installation, performed with an industrial power tool and controlled through RFID.

IMPROVED SAFETY

The fitting of C-BLOCK® dramatically reduces risks of any musculoskeletal disorders, thanks to a self-supporting power tool and lower vibration rates than drilling.

REMOVABLE

C-BLOCK® can be removed in a single minute, with no impact on the concrete surface.



« C-BLOCK® answers our operational needs. It is a quick and efficient solution, with lower costs than a traditional drill and dowel process. »

Lifting operations advisor in a nuclear power plant, France.

40% FASTER THAN DOWELS FOR AN EQUIVALENT COST

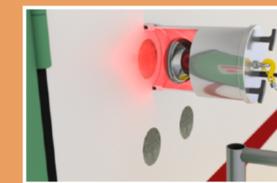
C-BLOCK® has been specifically designed for the most demanding civil engineering applications, such as nuclear power plants. It is a revolutionary, non-intrusive alternative to traditional drilling and dowing. C-BLOCK® significantly streamlines planning, saving both time and costs for the operator.

Cold Pad offers a solution where all the stages of the process are controlled. C-BLOCK® is suitable for applications for temporary use (lifting, scaffolding, supports) and permanent use (handrails, mechanical, electrical and ventilation supports). All these operations are carried out without ever damaging the concrete walls.

C-Block® Process Controlled Installation



1. Surface preparation



2. Surface heating



3. Automated bonding process



4. Traceable bonding



5. Proof load test



6. Outfitting installation

NON-INTRUSIVE
STAFF SAFETY
CONTROLLED PLANNING

FLEXIBLE
TRACEABLE
REMOVABLE
LOWERED COSTS