



## Concrete Layer Assistance & Survey

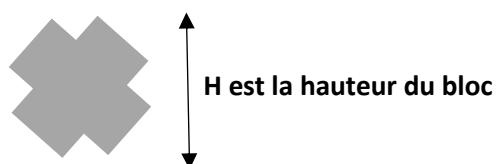
In all technical references it can be read that the good interlocking of blocks, ACCROPODE™, ACCROPODE™ II, CORELOC™, ECOPODE™ or X-bloc®, is very important.

We will explain why from our point of view, this criterion is the most important of all to ensure the stability and durability of your carapace.

What is interlocking ?

An ACCROPODE™, ACCROPODE™ II, CORELOC™, ECOPODE™ or X-bloc® block must be placed between two other blocks, whose position on the first line is defined with the greatest possible precision.

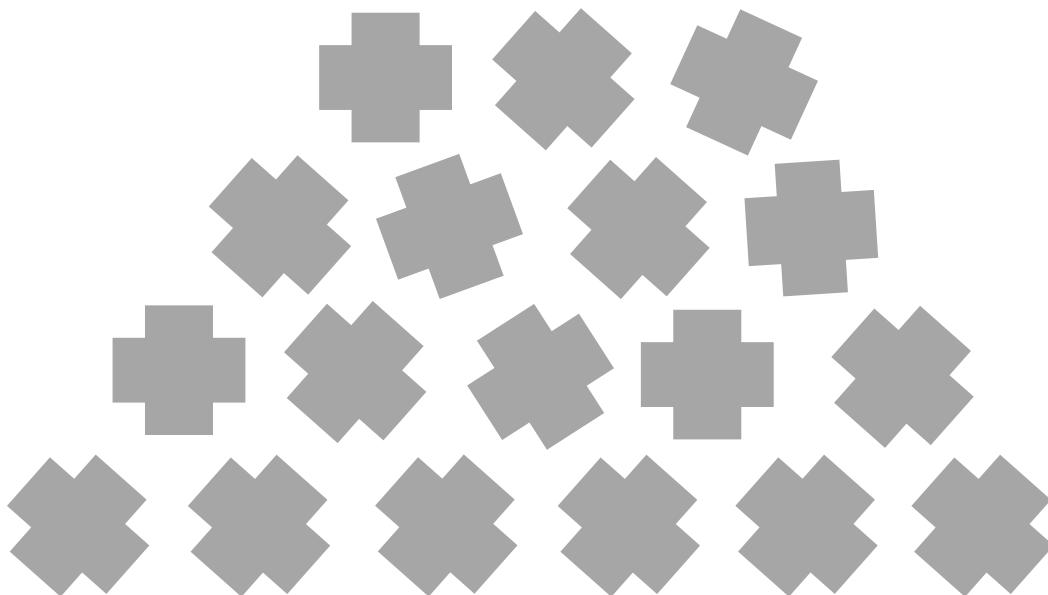
Example with the ACCROPODE™ II block



Precision for laying the first line is  $H / 12$

The first line guides the installation of all the other blocks.

A block must come between two already posed:



This is the reason why construction always starts with a triangle.

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Starting triangle with CORELOC™ on the training slope



Dans la littérature technique l'imbrication correcte est acquise quand il est impossible de sortir un bloc sans déplacer auparavant ceux qui sont posés sur lui.

Nous savons par expérience que cela ne suffit pas. Il faut éviter de conserver des défauts de contacts entre les blocs au moment de la construction. Nous savons que le poids va provoquer des ajustements, des petits mouvements naturels au cours du temps. Si le constructeur n'a pas laissé de défauts de contacts, ces mouvements seront légers et sans incidence. Si le constructeur a négligé l'imbrication, ces mouvements vont provoquer des trous, des démaillages, de la casse et finalement un risque pour la carapace.

In the technical literature the correct interlocking is acquired when it is impossible to take out a block without moving previously those placed on it.

We know from experience that this is not enough. It must be avoided to maintain contact defects between the blocks at the time of construction. We know that the weight will cause adjustments, small natural movements over time. If the contractor has not left contact defects, these movements

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will be light and without impact. If the contractor has neglected the interlocking, these movements will cause holes, unmaking, breakage and finally a risk for the carapace.

ACCROPODE™II properly interlocked



X-bloc® properly interlocked



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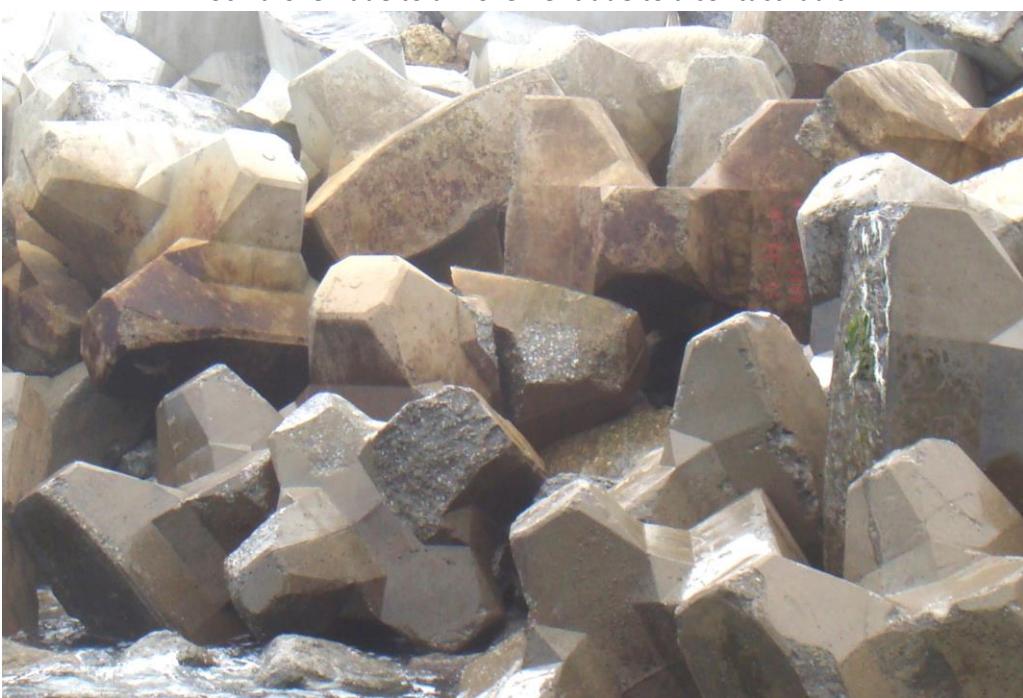
## **Concrete Layer Assistance & Survey**

By experience and after appraising, laying, repairing more than one million ACCROPODE™, ACCROPODE™ II, CORELOC™, ECOPODE™ and X-bloc® blocks we know and teach that the placement density is always good or too high when the interlocking is good.

CORELOC™ perfectly interlocked but density too high due to similar pose



Block broken due to a movement due to a contact fault



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Consequences after a few years of a lack of interlocking not repaired



Contact faults always exist after construction, even when you do not leave any. But when they are rare, it does not matter. This is why during construction CLAS inspectors report and repair missed contact. So the problem remains too marginal after the construction to cause disorders.

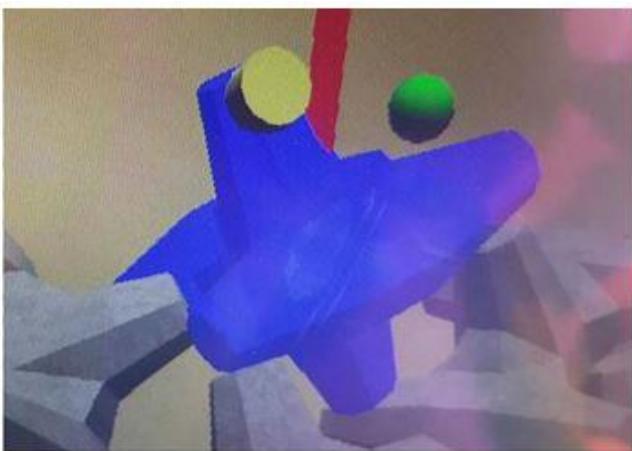
Important lack of contact not identified by ECHOSCOPE®





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Important unidentified contact default with POSIBLOC™



The strength of the carapace and its durability strongly depend on the quality of the interlocking. CLAS has used and tested all commercially available inspection and construction assistance tools including ECHOSCOPE®, POSIBLOC™ and DIDSON and ARIS acoustic cameras. Until now only a specially teached and trained human can avoid the accumulation of harmful contact defects in ACCROPODE™, ACCROPODE™ II, CORELOC™, ECOPODE™ and X-bloc® construction.

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