Special swimming pool block formwork made of high-density EPS

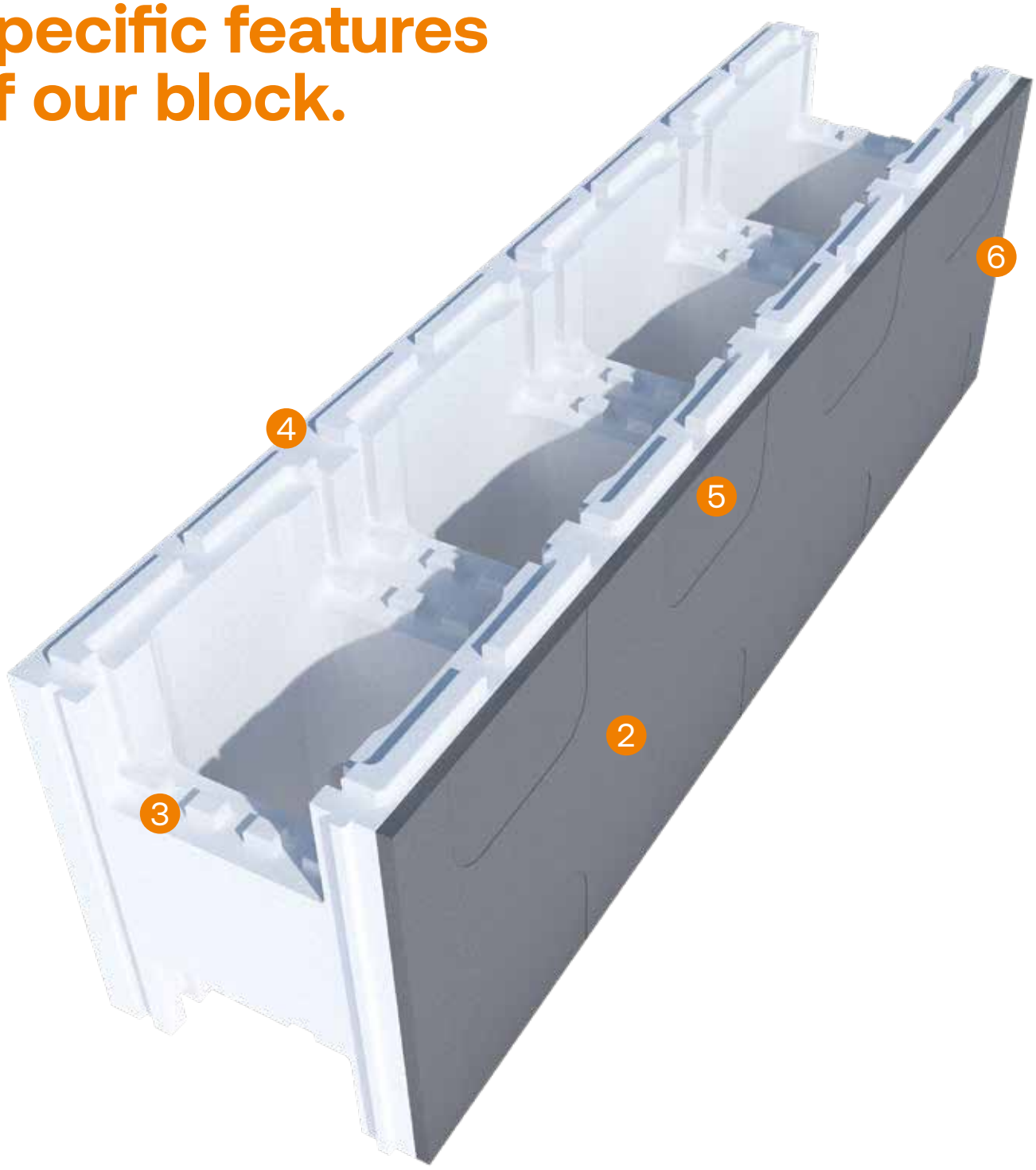
MADE IN BELGIUM

CORE DENSITY: 30kg/m³
INNER FACE: 80kg/m³

X-PACK
EXPANDED MOULDING

ASSEMBLY INSTRUCTIONS

Specific features of our block.



MORE INFO :
X-PACK.BE/PRODUCTS

① 30 kg/m³ high density core and 80 kg/m³ denser inner face.

② Grey-coloured inner face to easily identify the 80 kg/m³ side and to limit glare during assembly.

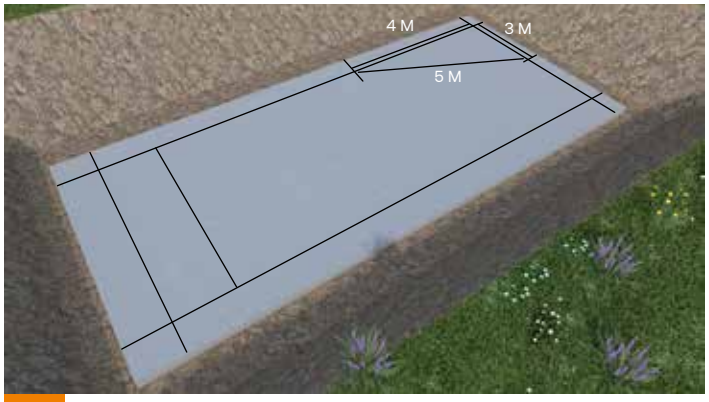
③ Location of the horizontal reinforcements integrated into the block.

④ Cuttable block every 25 cm (with possibility of placing a closing plug).

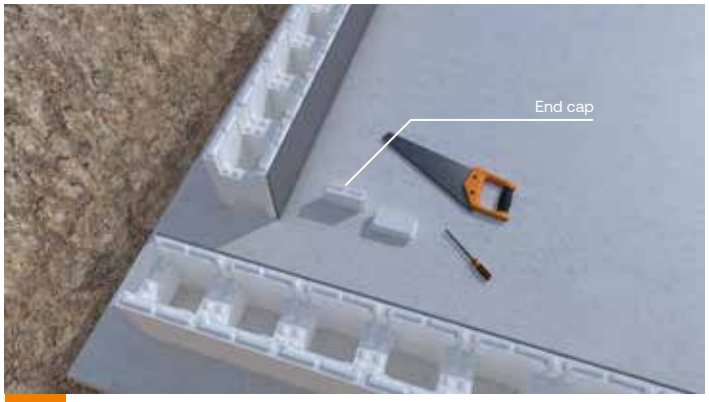
⑤ Markings to make cutouts easier (length and concrete pouring).

⑥ Dimensions: 100 cm long by 30 cm high for even faster assembly

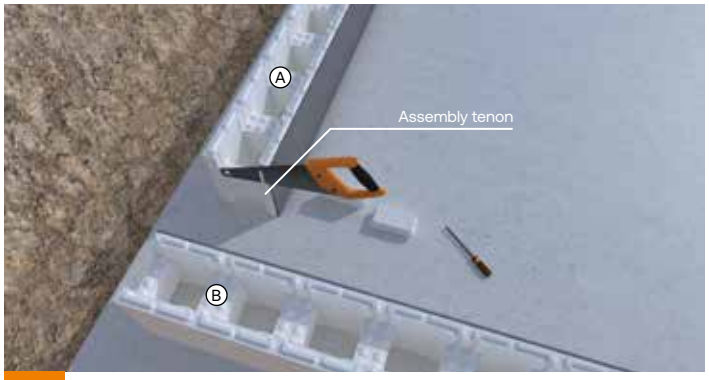
ASSEMBLY OF THE OUTER WALL



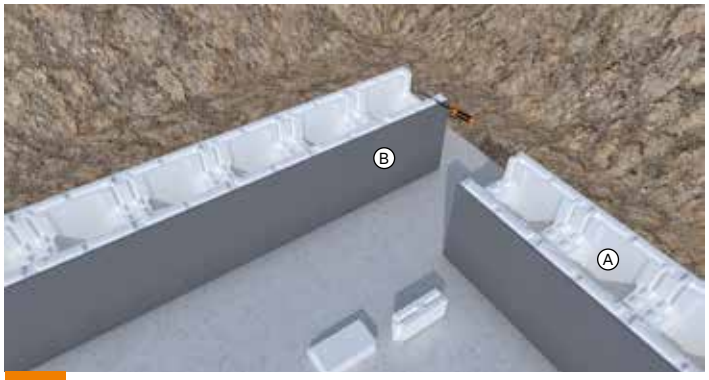
1 Draw the swimming pool with the inside measurements



2 Assembly of a corner

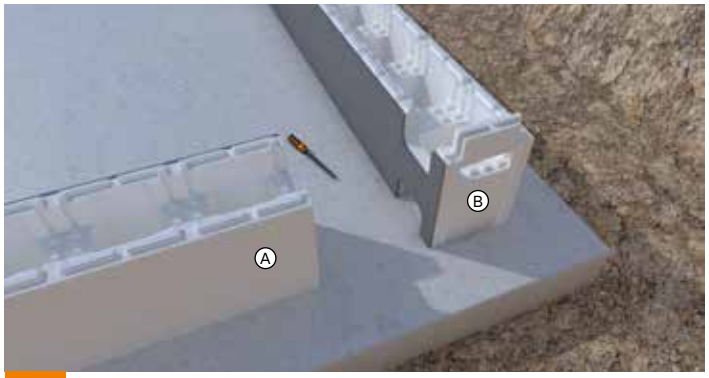


3 Cutting out of the assembly tenon of block A

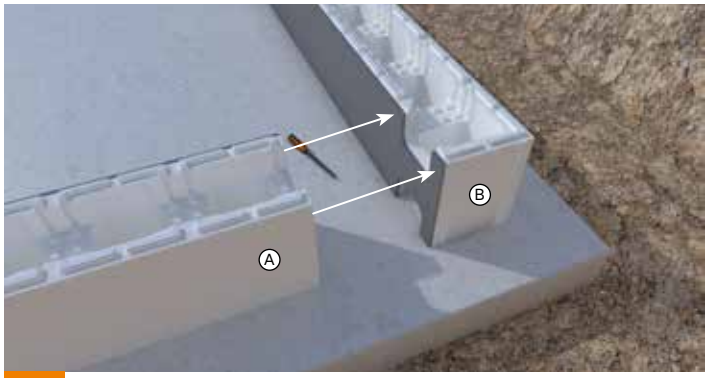


4 Cutting out of concrete pouring groove of block B

5 Top and bottom concrete pouring groove



6 Fitting of the top and bottom cap on block B



7 Placement of block A against block B

8 You should obtain this view

9 Standard tenon and mortise block assembly

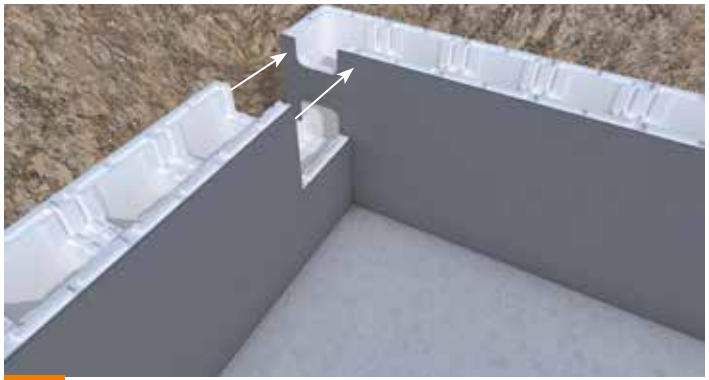
10 You should obtain this view

11 If you have to make a cut in a block, always cut in the middle of a spacer by following the markings

12 To assemble a recut block A, you have to cut the tenon of the block to be assembled B

13 First row assembled

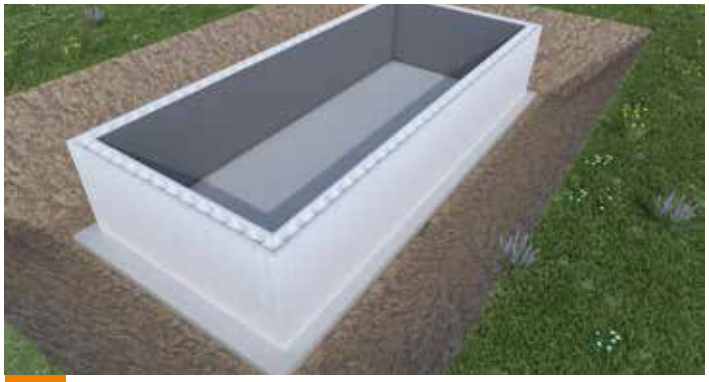
14 Assembly of the corner blocks of row 2



15 It is necessary to cross the different levels in the corners. You should obtain this view.

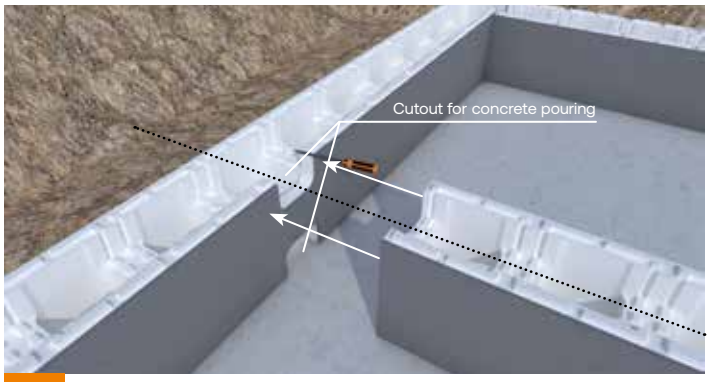
16 Wall of the assembled swimming pool. It is essential to cross the lower and upper elements by at least 25 cm

17 Once the rows have been assembled, cut the outer and inner tenons of the last row

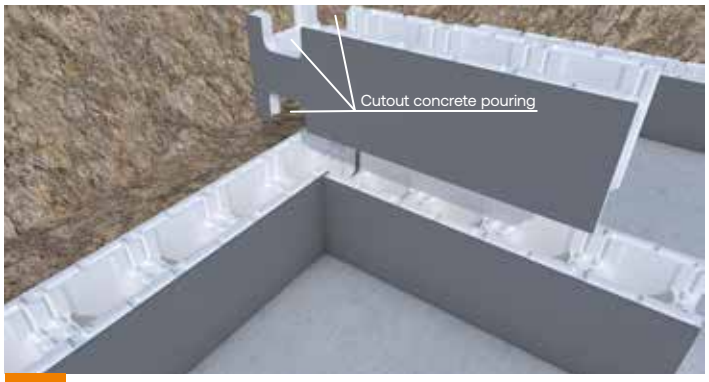


18 The swimming pool is ready for the concrete to be cast.

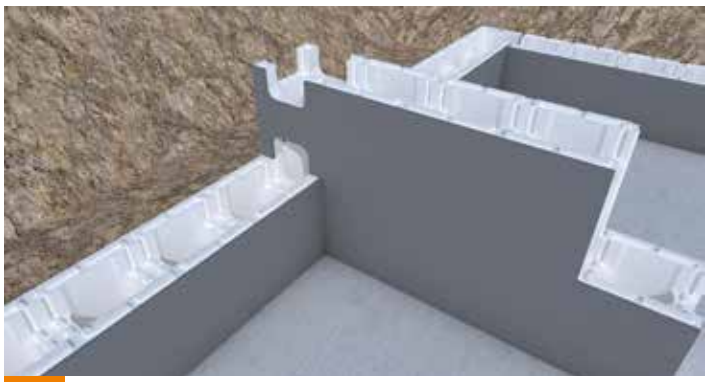
ASSEMBLY OF A SHEAR WALL FOR SHUTTER BOX, STAIRS OR DECK



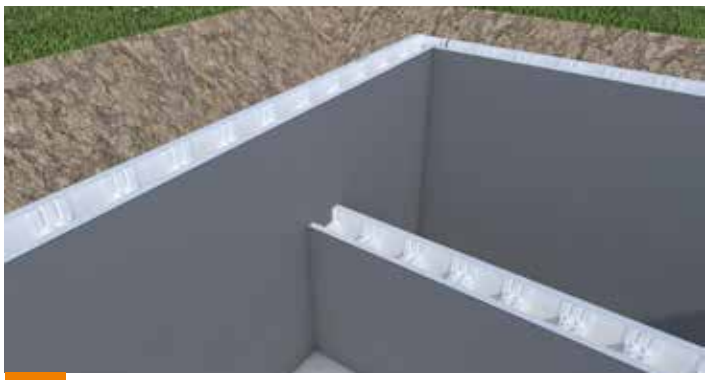
1 Placement of the shear wall. The axis of the wall must fall between two spacers



2 Assembly of the shear block of row 2 with cutouts for concrete pouring



3 Assembly of the second row with cutouts for concrete pouring

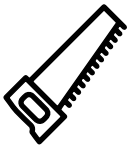


4 Shear wall completed

5 Example of stairs and deck; the swimming pool is ready for the concrete to be cast

Placement of the elements to be sealed (skimmers, projectors, backflow, cleaning connector ...)

1.
DRAW THE OUTLINE OF THE ELEMENTS ON THE INNER WALL OF THE SWIMMING POOL.



2.
CUT OUT THE PANEL USING THE HAND SAW.

3.
THE ELEMENTS ARE SEALED USING A POLYURETHANE FOAM SPRAY.

Technical Information

THESE ASSEMBLY INSTRUCTIONS DO NOT DEAL WITH THE STEELS TO BE USED AND THEIR INSTALLATION, SINCE ALL REINFORCED CONCRETE SWIMMING POOLS MUST MEET THE REQUIREMENTS OF A STUDY OF THE STEELS CONDUCTED BY A CONCRETE ENGINEER. YOU WILL, HOWEVER, FIND SOME TECHNICAL INFORMATION

QUANTITY OF CONCRETE NEEDED FOR FILLING THE BLOCKS: 131 LITRES PER M^2

QUALITY OF THE CONCRETE OF THE RAFT AND OF THE WALLS: 350 KG OR EQUIVALENT

GRAIN SIZE OF THE AGREGATES: 0,12 / 0,15

MAXIMUM HEIGHT FOR POURING: 1.50 M (GREATER HEIGHT POSSIBLE IN 2 CONSECUTIVE POURS)

VERTICAL REINFORCING STEELS, Ø 8 OR 10MM PLACED BEFORE POURING OF THE RAFT OR CHEMICALLY SEALED AFTER HAVING PIERCED THE RAFT

HORIZONTAL REINFORCING STEELS, Ø 8 OR 10MM PLACED IN THEIR LOCATION ON THE TOP OF THE SPACER AT EACH ROW OF BLOCKS

Light but strong!

Simple as child's play

HANDLING AND STORAGE SIMPLICITY

Handling of light materials (only 1.2kg per block)

No need for a heavy lifting appliance

1 m2 of X-Pack EPS block = 4kg
1 m2 of STEPOC® block = 200kg

Less arduous work

Increased safety

ASSEMBLY IN RECORD TIME

Simple tool (hand saw, cutter, drill, level, hammer, tape measure, pencil, etc.)

Easy to cut panel

Dry assembly with interlocking

Location for the horizontal reinforcement bars integrated into the block

Easy fitting of the aluminum hung rail

ROBUSTE

The high-density EPS block (core density: 30kg/m3 and inner side: 80kg/m3) and the 16cm concrete shell provide outstanding robustness.

The 80kg/m3 denser inner face avoids risks of marking due to shocks throughout the life of your swimming pool.

Respect for the environment and your wallet!

Energy and Money saving

FORMWORK AND INSULATION IN ONE SINGLE OPERATION. ENERGY EFFICIENCY DUE TO 10 CM OF HIGHLY INSULATING EPS.

EFFICIENCY

Extended bathing season

Energy saving on the heating system (approximately 30% compared with a concrete swimming pool*)

(*) Study available

DURABILIT

100% recyclable

No product loss due to off-cuts that can be re-used

X-PACK
EXPANDED MOULDING

Rue des Chapeliers 39
4800 Verviers
Belgium

+32 (0)87 33 79 64
info@x-pack.be
www.x-pack.be

YOUR DEALER :

MADE IN BELGIUM