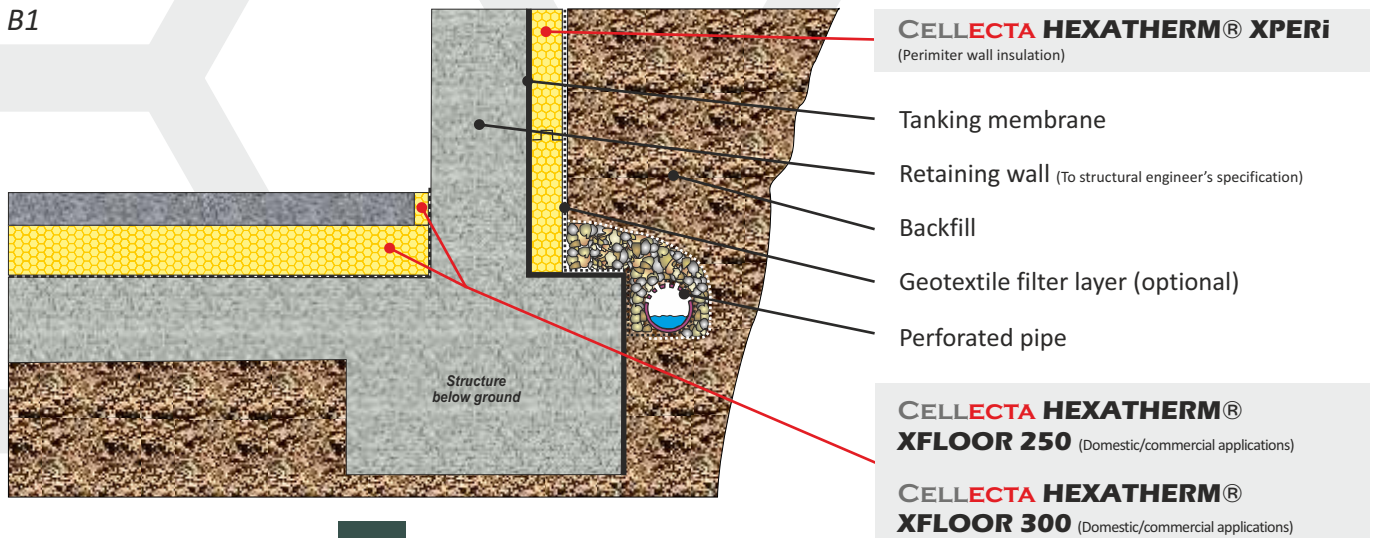


# BASEMENT WALLS & FLOOR

CELLECTA **HEXATHERM<sup>®</sup> XPERi** insulation installed externally against basement wall  
CELLECTA **HEXATHERM<sup>®</sup> XFLOOR** insulation installed below floating screed

B1

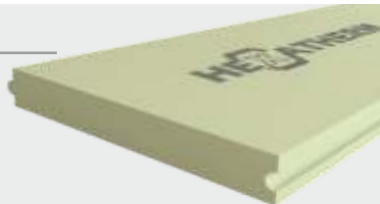


FASTRACK<sup>CAD</sup>  
ARCHITECTURAL CAD DATABASES

nsPlus

FASTRACK<sup>BIM</sup>  
ARCHITECTURAL BIM DATABASES

## Product Information



**XPERi** & **XFLOOR** boards have outstanding compressive strength, low water absorption and life-long thermal performance, making them the ideal insulation for basements and below ground applications.

## Product Benefits

- Very low water absorption
- High compressive strength
- Excellent life-long thermal performance
- Closed cell structure

## Physical Properties

		<b>XFLOOR</b>		
		<b>XPERi</b>	<b>250</b>	<b>300</b>
Thermal Conductivity EN 12667 (W/mK)	≤80mm	0.033	0.033	0.033
	≥81mm	0.034	-	0.034
Strength at 10% compression EN 826 (kPa)	≤30mm	250	250	-
	≥40mm	300	-	300
Strength at 2% compression EN 1606 (kPa)	≤30mm	80	80	-
	≥40mm	125	-	125
Long term water absorption by immersion EN 12087		0.7%	0.7%	0.7%
Temperature range		-50/+75 °C	-50/+75 °C	-50/+75 °C
Board size (mm)		600 x 2500	600 x 2500	600 x 2500
Thickness' (mm) (other sizes manufactured to order)	30	40	20	40
	50	60	25	50
	80		30	60
	100	120		75
	140	160		80
Edge profile				
		T&G	Square	Square

## Typical Thickness of Insulation Required

The method of calculating the U-value of a basements is more complex than other applications. To determine the thickness of insulation required contact **CELLECTA** for assistance.

T. 08456 71-71-74.

E. technical@cellecta.co.uk

## Third Party Accreditation and Approvals



## Environmental Credentials



## Code for Sustainable Homes

The following Code for Sustainable Homes credits are obtainable as a result of incorporating **HEXATHERM<sup>®</sup>** into the construction detailed.

<b>Pol 1</b>	
<b>HEXATHERM XPS boards</b>	
GWP value	<5
Code credits	1

Note. Pol.1 Code credits have an approximate weighted value of 0.7

<b>Mat 1</b>	
Element N°	820100010
Green Guide rating	C
Code credits	0.5

Note. Mat.1 Code credits have an approximate weighted value of 0.3