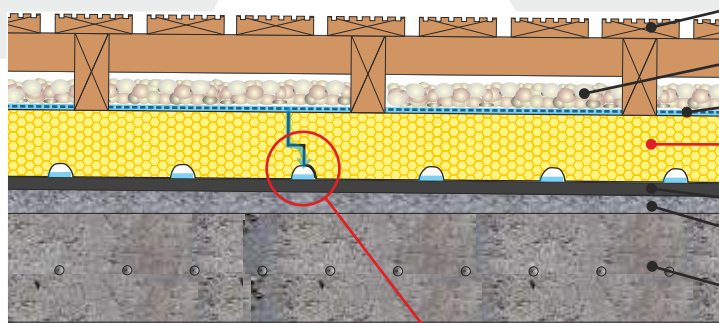


# INVERTED FLAT ROOF



Insulation ballasted with timber decking and washed rounded gravel  
Insulation with integral drainage channels  
1:60-1:80 Falls

Ir6



**XDRAIN's** unique pattern of drainage channels sheds water off the roof whatever the boards' orientation

Timber decking

Washed rounded gravel ballast

Geotextile filter layer

**CELLECTA HEXATHERM® XDRAIN**  
(inverted roof insulation with integral drainage channels)

Waterproof membrane

Screed laid to falls

Structural roof deck  
(To structural engineer's specification)

**FASTRACKCAD**  
ARCHITECTURAL CAD DATABASES

**nssPlus**

**FASTRACKBIM**  
ARCHITECTURAL BIM DATABASES

## Product Information





**XDRAIN** extruded polystyrene inverted roofboards have a unique pattern of drainage channels on their underside, which speeds up the shedding of rainwater, eliminating the need for a separation drainage mat.

## Product Benefits

- Excellent life-long thermal performance
- Integral drainage channels
- Very low water absorption
- High compressive strength

## Physical Properties

		<b>XDRAIN</b>	<b>XR00F 300L</b>
Thermal Conductivity BS EN 12667 (W/mK)	≤80mm ≥81mm	0.033 0.034	0.033 0.034
Compressive strength BS EN 826		300 kPa	300 kPa
Compressive strength BS EN 1606		125 kPa	125 kPa
Long term water absorption by immersion BS EN 12087		0.7%	0.7%
Temperature range		-50/+75 °C	-50/+75 °C
Board size (mm)		600 x 1250	600 x 1250
Thickness* (mm) (other sizes manufactured to order)		50 60 75 80 100 120 140 160	50 60 75 80 100 120 140 160
Edge profile		 Shiplap	 Shiplap

## Typical Thickness of Insulation Required

	Thickness of insulation required for a 200mm concrete deck				
<b>HEXATHERM® XDRAIN<sup>(A)</sup></b>	160	190*	210*	240	290
	0.25	0.22	0.20	0.18	0.16

Notes:  
Thickness calculated in accordance with EN ISO 6946 & ETAG 301-2010  
(A) Based on 0.03 fx, 1.7mm/day average rainfall  
(B) Based on 0.001 fx & 1.7mm/day average rainfall  
(C) Supplied in rolls 1.5 x 50m  
\*Additional layer of **XR00F 300** required

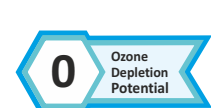
**U-value (W/m²K)**

Calculated in accordance with ISO 6946: 1997

## 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®** 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°	812530050
Green Guide rating	C
Code credits	0.5

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