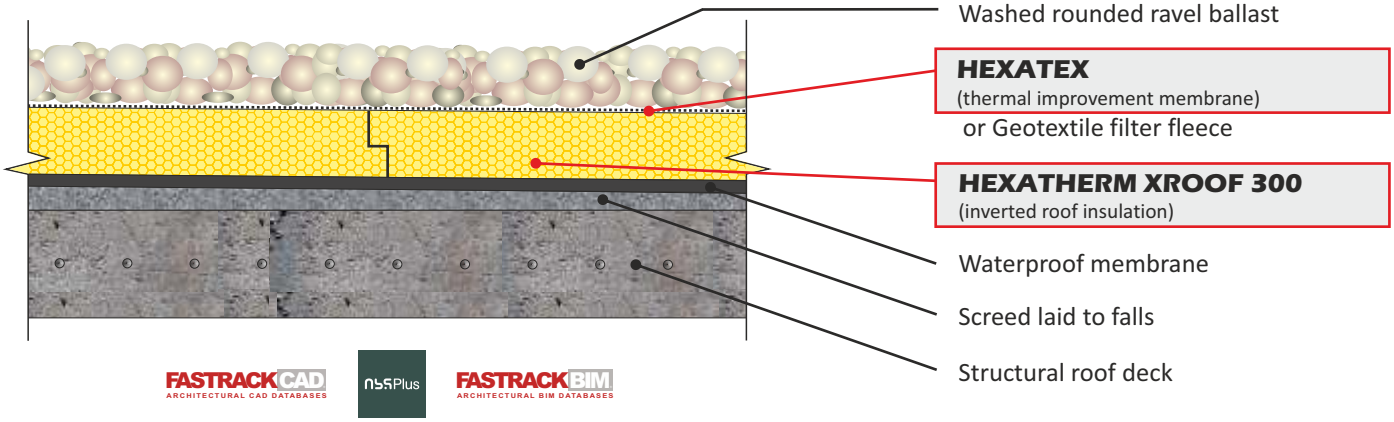
BALLASTED INVERTED FLAT ROOF

CELLECTA®

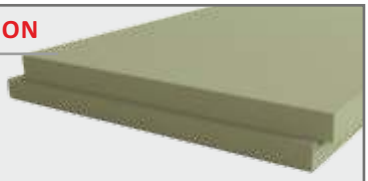
Insulation ballasted with washed rounded gravel
1:60-1:80 Falls

XR.1



FASTRACK CAD ARCHITECTURAL CAD DATABASES | nbsPlus | FASTRACK BIM ARCHITECTURAL BIM DATABASES

PRODUCT INFORMATION



XROOF

XROOF extruded polystyrene thermal insulation board is designed specifically for inverted roof applications where a high resistance to compression and water absorption is essential.

PRODUCT BENEFITS

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

PHYSICAL PROPERTIES

	XROOF 300L
Thermal Conductivity BS EN 12667 (W/mK)	0.035
Compressive strength BS EN 826	300 kPa
Compressive strength BS EN 1606	125 kPa
Long term water absorption by immersion BS EN 12087	0.7%
Temperature range	-50/+75 °C
Board size (mm)	600 x 1250
Thickness' (mm) (other sizes manufactured to order)	50 60 75 80 100 120 140 160
Edge profile	Shiplap

TYPICAL THICKNESS OF INSULATION REQUIRED

	Thickness of insulation required for a 200mm concrete deck					
HEXATHERM XROOF 300(A)	160	190*	220*	250*	300*	360*
HEXATHERM XROOF 300(B) **+ HEXATEX**(C)	140	170*	190*	210*	240*	280*
	0.25	***0.20***	***0.18***	***0.16***	***0.14***	***0.12***
	U-value (W/m²K)					

Notes.
Thickness calculated in accordance with EN ISO 6946
(A) Based on 0.03 *fx*, 3mm/day average rainfall
(B) Based on 0.001 *fx* & 3mm/day average rainfall
(C) Supplied in rolls 1.5 x 50m
* Multiple layers of XROOF 300

THIRD PARTY ACCREDITATION & APPROVALS

BM TRADA** Q Mark
NHBC, LABC and Premier guarantee accepted
BREAM MAT 6 compliant***

STANDARDS

EN 13164: 2012
ISO 9001 - Quality management system (QMS)**
ISO 14001 - Environmental management system (EMS)**

CE

ENVIRONMENTAL CREDENTIALS

<5 Global Warming Potential | 0 Ozone Depletion Potential | 100%

CODE FOR SUSTAINABLE HOMES

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

Pol 1

	HEXATHERM XPS boards(A)
GWP value	<5
Code credits	1

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

Mat 1

Element N°	812530050
Green Guide rating	C
Code credits	0.5

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

**Currently undergoing assessment. ***On completion of ISO14001 assessment