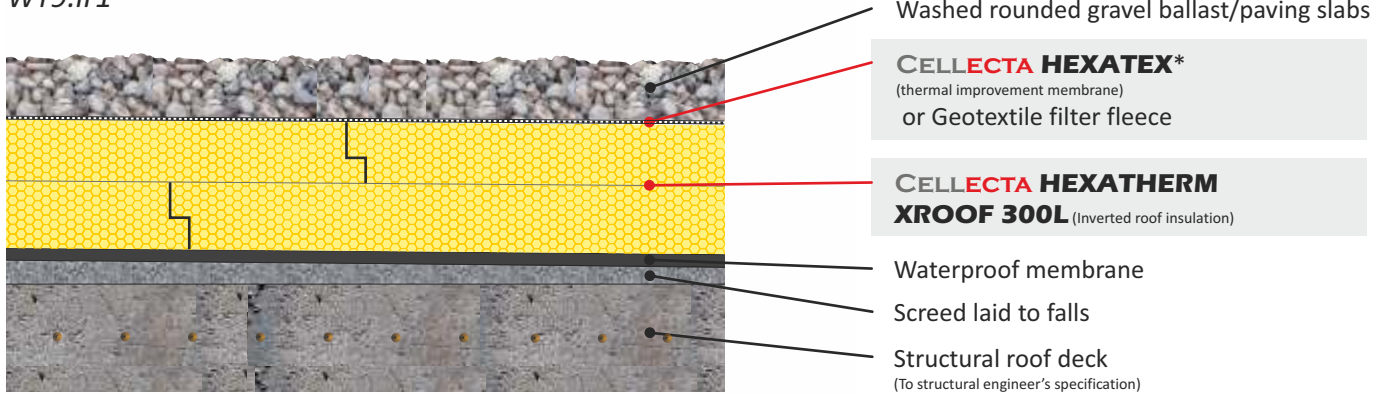


BALLASTED INVERTED FLAT ROOF

CELLECTA **HEXATHERM XROOF 300L** insulation ballasted with washed rounded gravel/paving slabs
1:60-1:80 Falls

WT9.ir1



Product Information



CELLECTA's **XROOF 300L** extruded polystyrene thermal insulation boards are designed specifically for inverted roof applications where a high resistance to compression, closed cell structure and very low water absorption is essential to provide long term energy savings.

Key Benefits

- ⊕ Excellent life-long thermal performance
- ⊕ High compressive strength >300kPa
- ⊕ Closed cell structure
- ⊕ Very low water absorption
- ⊕ 100% Recyclable

Physical Properties

		XROOF 300L
Thermal Conductivity EN 12667	W/mK	0.033 ≤80mm 0.034 >81mm
Strength at 10% compression EN 826	kPa	300
Temperature range	kPa	-50/+75
Long term water absorption by immersion EN 12087	%	>0.7
Board size	mm	600 x 1250
Thickness* available (other sizes manufactured to order)	mm	50, 60, 75, 80, 100, 120, 140 160, 180, 200
Edge profile options	-	Shiplap

*Not applicable under Q-mark Certification

Typical Thickness of Insulation Required

	Thickness of insulation required for a 200mm concrete deck					
HEXATHERM XROOF 300L ^(A)	160	190*	220*	290*	350*	460*
HEXATHERM XROOF 300L ^(B) + HEXATEX ^(C)	140	160	180*	200*	230*	270*
Notes.	0.25	0.20	0.18	0.16	0.14	0.12

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
* Multiple layers of **XROOF 300**

U-value (W/m²K)
Calculated in accordance
with ISO 6946: 1997

Third Party Accreditation and Approvals



BE 009119-1

Environmental Credentials



Baltimore Wharf, Limehouse: **XROOF 300L** - 100mm



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