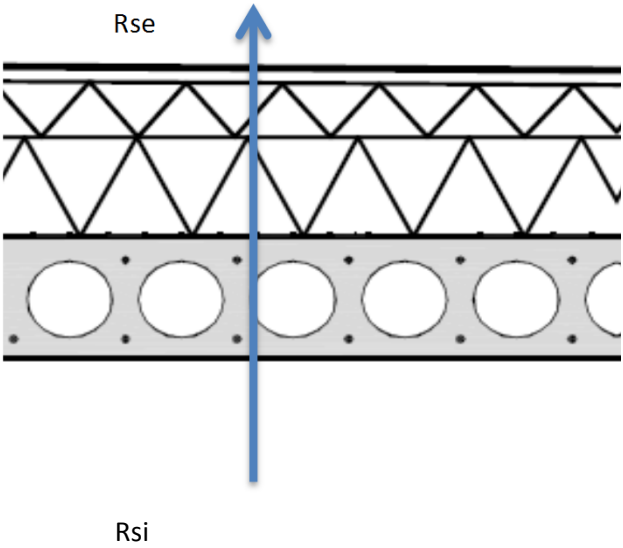


ROOF/CEILING
Section
x2 Asphalt membrane 5mm
Mineral wool 20mm
EPS Insulation slope 130mm
EPS Insulation 150mm
Vapour barrier 10mm
Hollow Core Slab 180mm



Building Regulations SBI	
Building Elements around rooms	that are normally heated to a minimum od 15°C must have a heat loss of no more than the following
Ceiling and roof constructions	0,15 m²K/W

Construction	d (m)	λ (W/mK)	R=d/λ (m²K/W)	DS418
U1				
Rsi-Int. Resistance			0,1000	p20
x2 Asphalt membrane	0,005	0,7	0,0071	
Mineral wool	0,02	0,055	0,3636	p51
EPS Insulation slope	0,13	0,055	2,3636	p51
EPS Insulation	0,15	0,055	2,7273	p51
Vapour barrier	0,01	0,01	1,0000	
Hollow Core Slab	0,18	1,7	0,1059	p48
Rse-Ext. Resistance			0,0400	p20
ΣR=1/U'			6,7076	
U'=1/ΣR			0,1491	
J = U' + ΔU = 0,1491 + 0 =0,1491 W/m²K				

