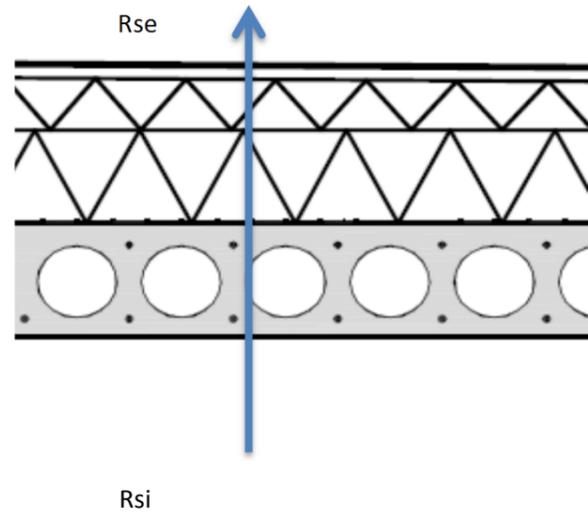


ROOF/CEILING	
Section	
x2 Asphalt membrane	5mm
Mineral wool	20mm
EPS Insulation slope	130mm
EPS Insulation	150mm
Vapour barrier	10mm
Hollow Core Slab	180mm



Building Regulations SBI	
Building Elements around rooms that are normally heated to a minimum of 15°C must have a heat loss of no more than the following	
Ceiling and roof constructions	0,15 m ² K/W

Construction	d (m)	λ (W/mK)	R=d/λ (m ² K/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				

