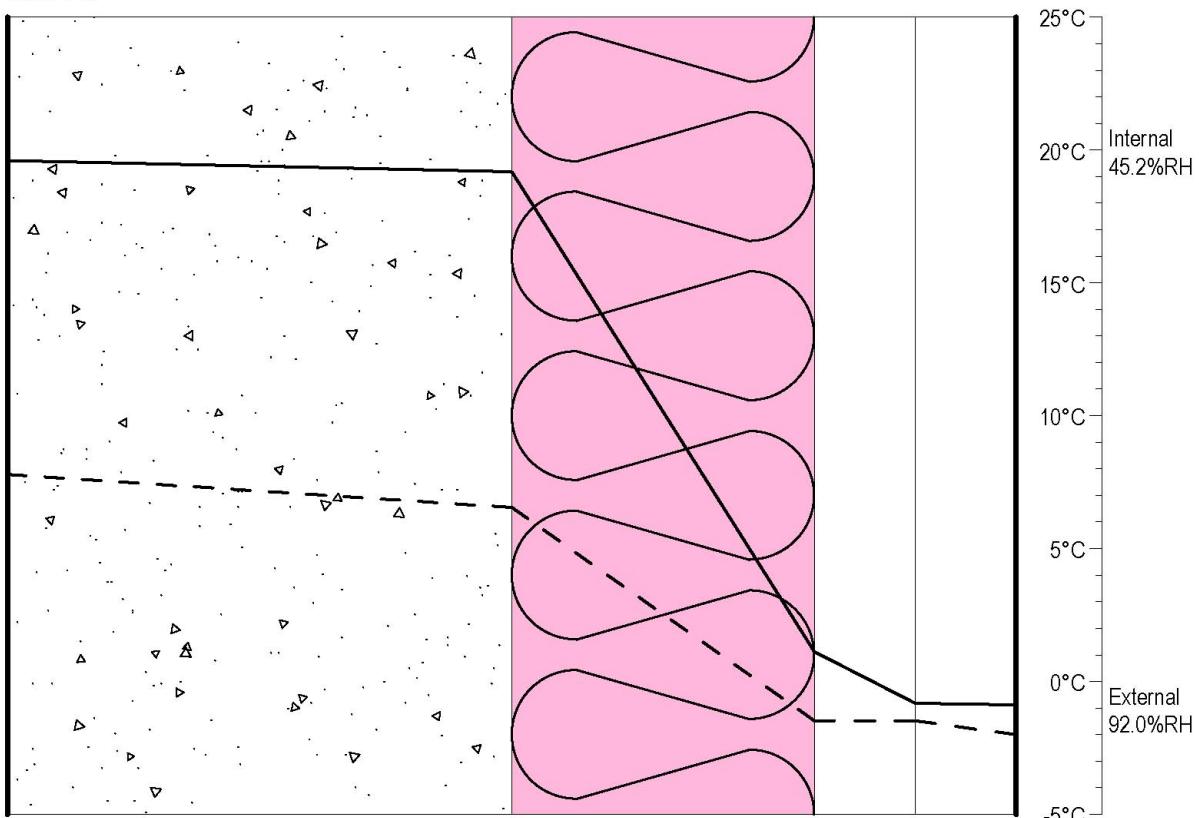


Structure element : Wall  
 Description : External wall insulation (fixed with fasteners of lambda value or part of it less than 1 W/mK)  
**Calculated 'U' value = 0.20W/m<sup>2</sup>K (Calculated in accordance with BS EN ISO 6946)**

(Correction for mechanical fasteners, Delta Uf = 0.0158W/m<sup>2</sup>K | Correction for air gaps, Delta Ug = 0.0000W/m<sup>2</sup>K)  
 (Alpha 0.8 m<sup>-1</sup> | Fasteners per square metre 2.2727)  
 (Fasteners cross-sectional area 28.260 mm<sup>2</sup> | Thermal conductivity of fastener 50.00 W/mK)  
 Correction for rain screen cladding, Delta Urc = 0.0405W/m<sup>2</sup>K  
 (x : 0.180 n : 0.225 per m<sup>2</sup>)

Element Description	Element Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m <sup>2</sup> K/W)
Outside surface resistance	-	-	0.040
SANDSTONE	40.0	2.300	0.017
UNV. A/SPACE;	40.0	-	0.644
KOOLTHERM K8	120.0	0.020	6.000
CONCRETE 1:2:4 2000 kg/m <sup>3</sup>	200.0	1.400	0.143
Inside surface resistance	-	-	0.130

Scale 1 : 3



Structure element : Wall  
Description : External wall insulation (fixed with fasteners of lambda value or part of it less than 1 W/mK)  
**Calculated 'U' value = 0.20W/m<sup>2</sup>K (Calculated in accordance with BS EN ISO 6946)**

(Correction for mechanical fasteners, Delta Uf = 0.0158W/m<sup>2</sup>K | Correction for air gaps, Delta Ug = 0.0000W/m<sup>2</sup>K)  
(Alpha 0.8 m<sup>-1</sup> | Fasteners per square metre 2.2727)  
(Fasteners cross-sectional area 28.260 mm<sup>2</sup> | Thermal conductivity of fastener 50.00 W/mK)  
Correction for rain screen cladding, Delta Urc = 0.0405W/m<sup>2</sup>K  
(x : 0.180 n : 0.225 per m<sup>2</sup>)

Element Description	Element Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m <sup>2</sup> K/W)
Outside surface resistance	-	-	0.040
SANDSTONE	40.0	2.300	0.017
UNV. A/SPACE;	40.0	-	0.644
KOOLTHERM K8	120.0	0.020	6.000
CONCRETE 1:2:4 2000 kg/m <sup>3</sup>	200.0	1.400	0.143
Inside surface resistance	-	-	0.130

