

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 = 0.15W/m²K (Calculated in accordance with BS EN ISO 6946)

(Correction for mechanical fasteners, Delta Uf = 0.0116W/m²K | Correction for air gaps, Delta Ug = 0.0000W/m²K)

(Alpha 0.8 m⁻¹ | Fasteners per square metre 2.2727)

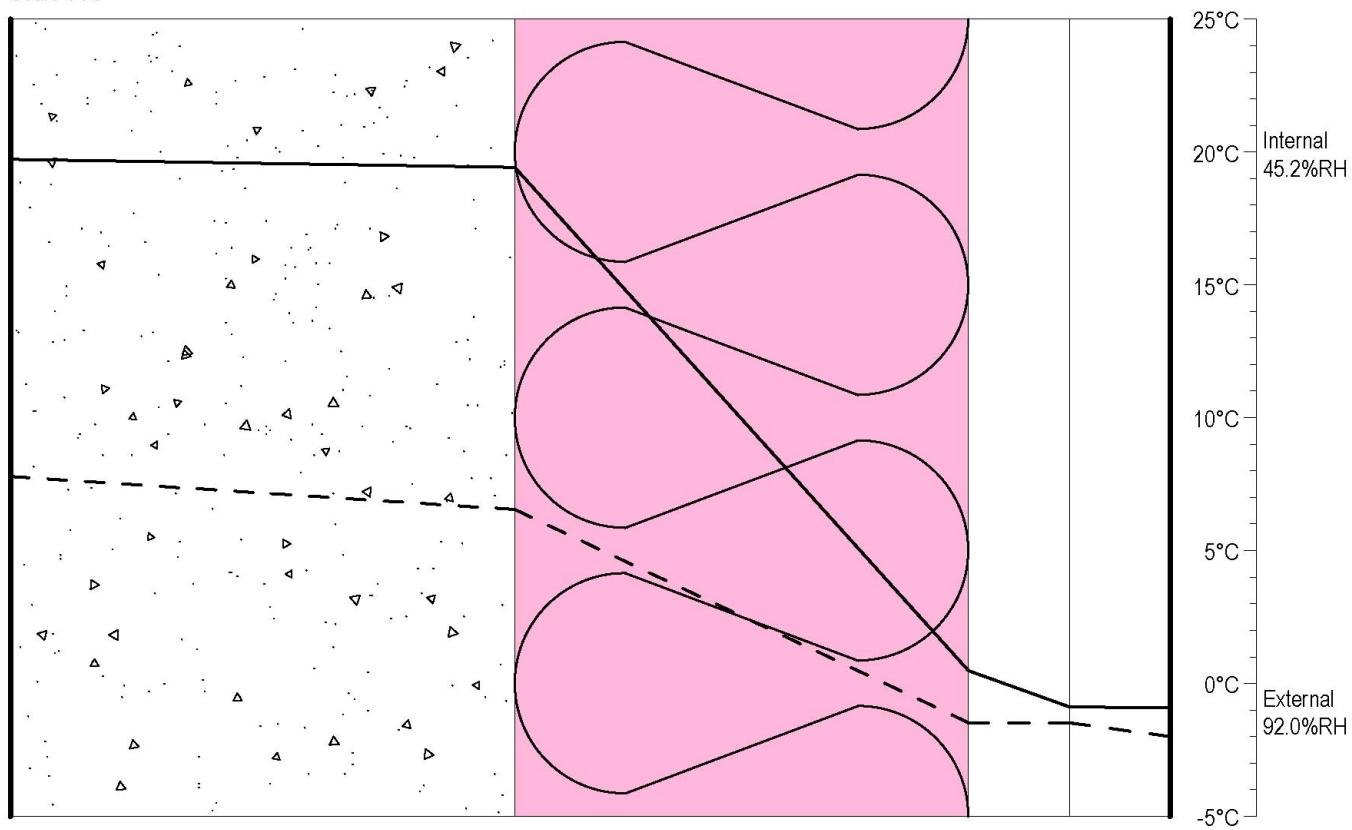
(Fasteners cross-sectional area 28.260 mm² | Thermal conductivity of fastener 50.00 W/mK)

Correction for rain screen cladding, Delta Urc = 0.0405W/m²K

(x : 0.180 n : 0.225 per m²)

Element Description	Element Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m ² K/W)
Outside surface resistance	-	-	0.040
SANDSTONE	40.0	2.300	0.017
UNV. A/SPACE;	40.0	-	0.644
KOOLTHERM K8	180.0	0.020	9.000
CONCRETE 1:2:4 2000 kg/m ³	200.0	1.400	0.143
Inside surface resistance	-	-	0.130

Scale 1 : 3



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