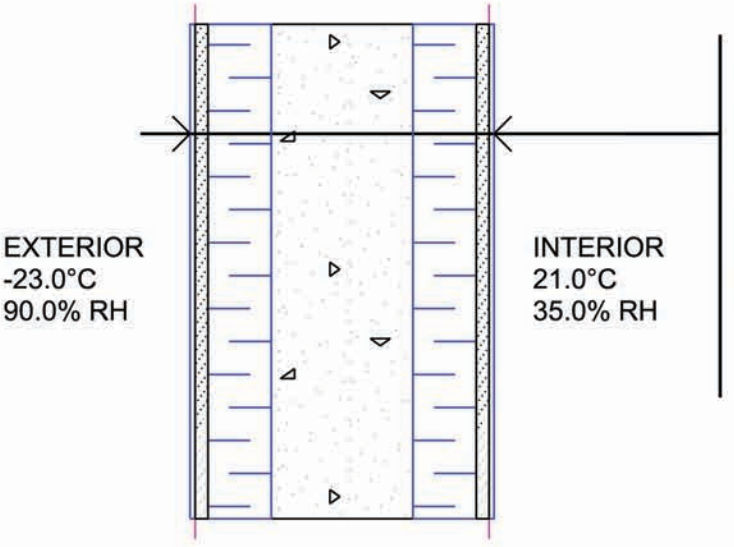
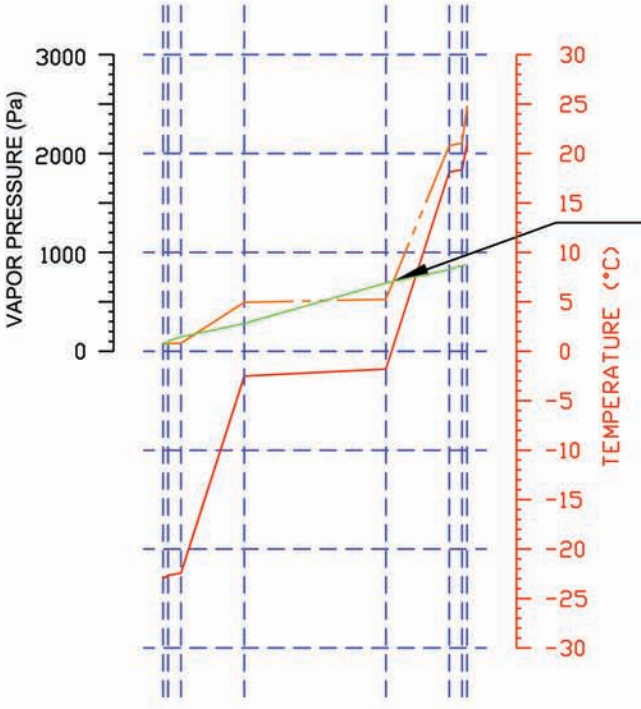


DESCRIPTION	RSI	R
Exterior air film	0.03	0.2
Paint acrylic ext.	0.00	0.0
Parging cement, 13.0 mm	0.02	0.1
Polystyrene exp. Type II, 2.5" (64 mm)	1.79	10.2
Concrete, 5 5/8" (143 mm)	0.06	0.4
Polystyrene exp. Type II, 2.5" (64 mm)	1.79	10.2
Parging cement, 13.0 mm	0.02	0.1
Paint latex int.	0.00	0.0
Interior air film	0.24	1.3
Total Thermal Resistance	3.95	22.4

Thermal Conductivity K = 0.2532



There is condensation in the given assembly at this location.
The condensation rate is 1.251E-05 g/m2/sec.
or 1.081E-03 litres/m2/day.

The heat loss rate is 11.13 Watt/m2.
The dewpoint temperature is 0.5 degrees Celsius.

Legend

- Temperature
- Vapor pressure for continuity of flow
- Saturated vapor pressure

Polycrete®

TITLE

Thermal Analysis Big Block 1600 5-5/8" (143mm)
Parging on both sides