

Building Inspection Inspection des bâtiments

Assembly # MS-02

Description: 76.2mm (3") Heated concrete slab over 63.5mm (2.5") extruded polystyrene.

Layer	Assembly Components (layer listed from exterior to interior)	RSI Value	R Value
1	63.5mm (2.5") extruded polystyrene	2.2225	10.09595
2	76.2mm (3") concrete slab	0.03048	0.173073
3	Inside Air Film	0.16	0.908522
	Total	2.41	11.2
Note:			

The thermal resistance values of each continuous layer incorporated in the assembly are from A-9.36.2.4.(1)D.

		RSI _{parallel} =			100	
Parallel Heat Flow Ca	lculation:		% area of fra	aming	+	% area of cavity
			RSI _F			RSI _C
% Area of Framing	N/A	Value of the area of fra	aming membe	r obtaine	ed from Table	e A-9.36.2.4.(1)A
% Area of Cavity	N/A	Values of the area of c	avity obtained	l from Ta	ble A-9.36.2	4.(1)A
RSI Framing	Framing N/A					
RSI Cavity	N//	4				
RSI Parrallel *	N//	4				
		-				
Note: The above valu	es and refer	rences are from the 2010	0 National Buil	ding Cod	de of Canada	This document is intended to be
used for reference pu	irposes. The	assembly components	shall be detaile	ed in a ci	ross section o	on the submitted plans.
RSI _{eff} = 2.41	(m²∙K)/W	1	R _{eff} =	11.2	(h·ft ^² ·ºF)/B	tu
eff = effective therma	al resistance					