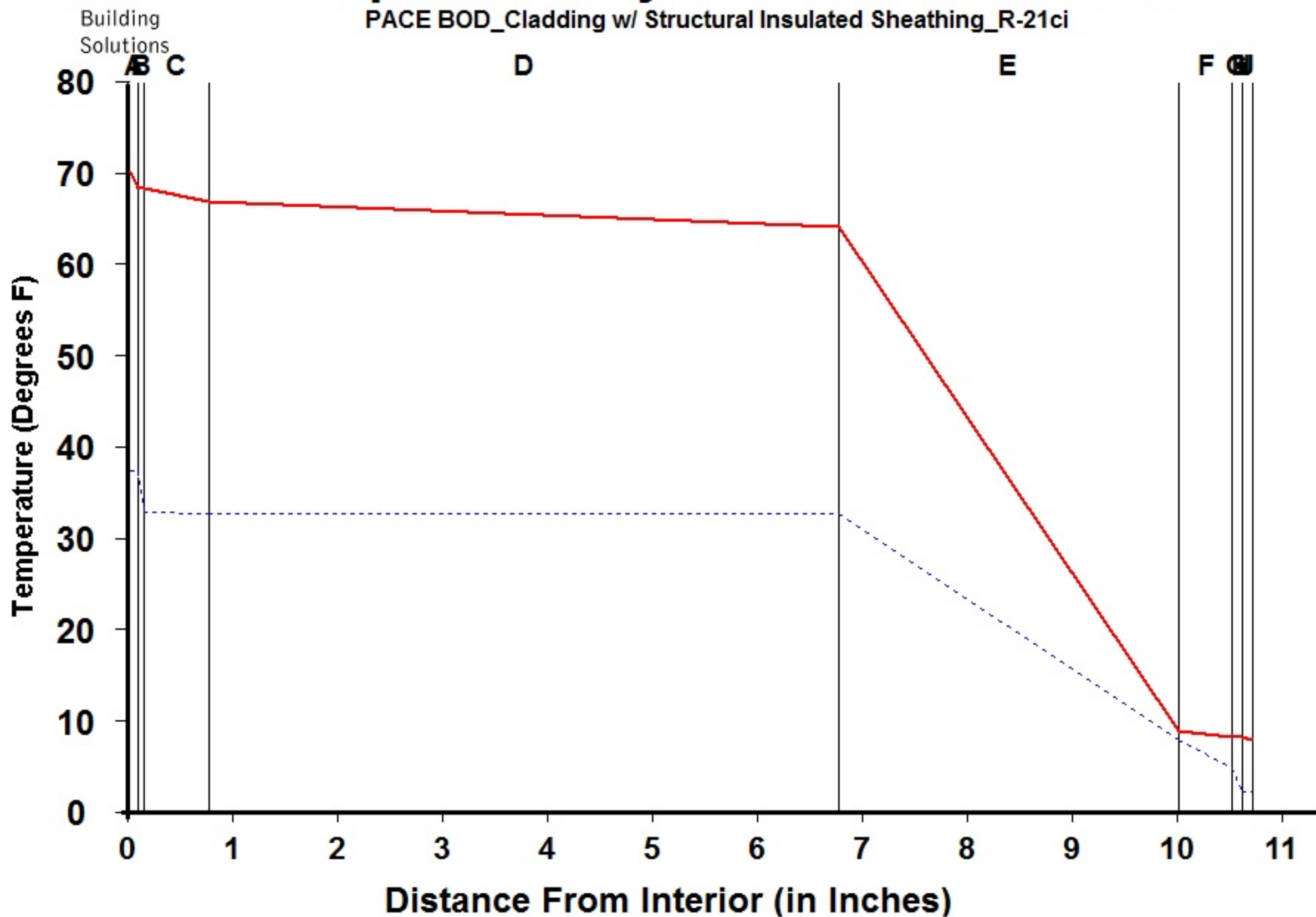




Dewpoint Analysis - Dow Chemical

PACE BOD_Cladding w/ Structural Insulated Sheathing_R-21ci



Legend

- Actual Temperature
- - - Dewpoint Temperature

Dewpoint Theory predicts condensation in a system at any point where the actual and dewpoint temperature lines cross.

Conditions:

	Interior	Exterior
Temperature	70.0	7.7
Humidity	30.0	75.0

Component Name					Interface			
Thickness R-Value Rep					Temperature		Accum	
					Actual	Dewpnt	(oz/day-sqft)	
A	Interior Air Film	0.100	0.68	0.001	-A	70.00	37.17	0.000
B	Latex Paint 2 Coat	0.050	0.01	0.500	AB	68.19	37.16	0.000
C	Gypsum Board	0.625	0.56	0.023	BC	68.17	32.75	0.000
D	Wall Air Space NonRefl	6.000	1.01	0.006	CD	66.68	32.54	0.000
E	Polyurethane Insulation	3.250	20.75	1.788	DE	63.99	32.48	0.000
F	MgO Board	0.500	0.25	0.112	EF	8.82	7.69	0.000
G	Air/Water Barrier	0.100	0.00	0.083	FG	8.15	4.68	0.000
H	Wall Air Space NonRefl	0.000	0.00	0.000	GH	8.15	2.11	0.000
I	Ventilated Cladding	0.000	0.00	0.000	HI	8.15	2.11	0.000
J	Out Air Film Winter	0.100	0.17	0.001	IJ	8.15	2.11	0.000
K					JK	7.70	2.08	0.000
L					KL			
					L-			
TOTAL								

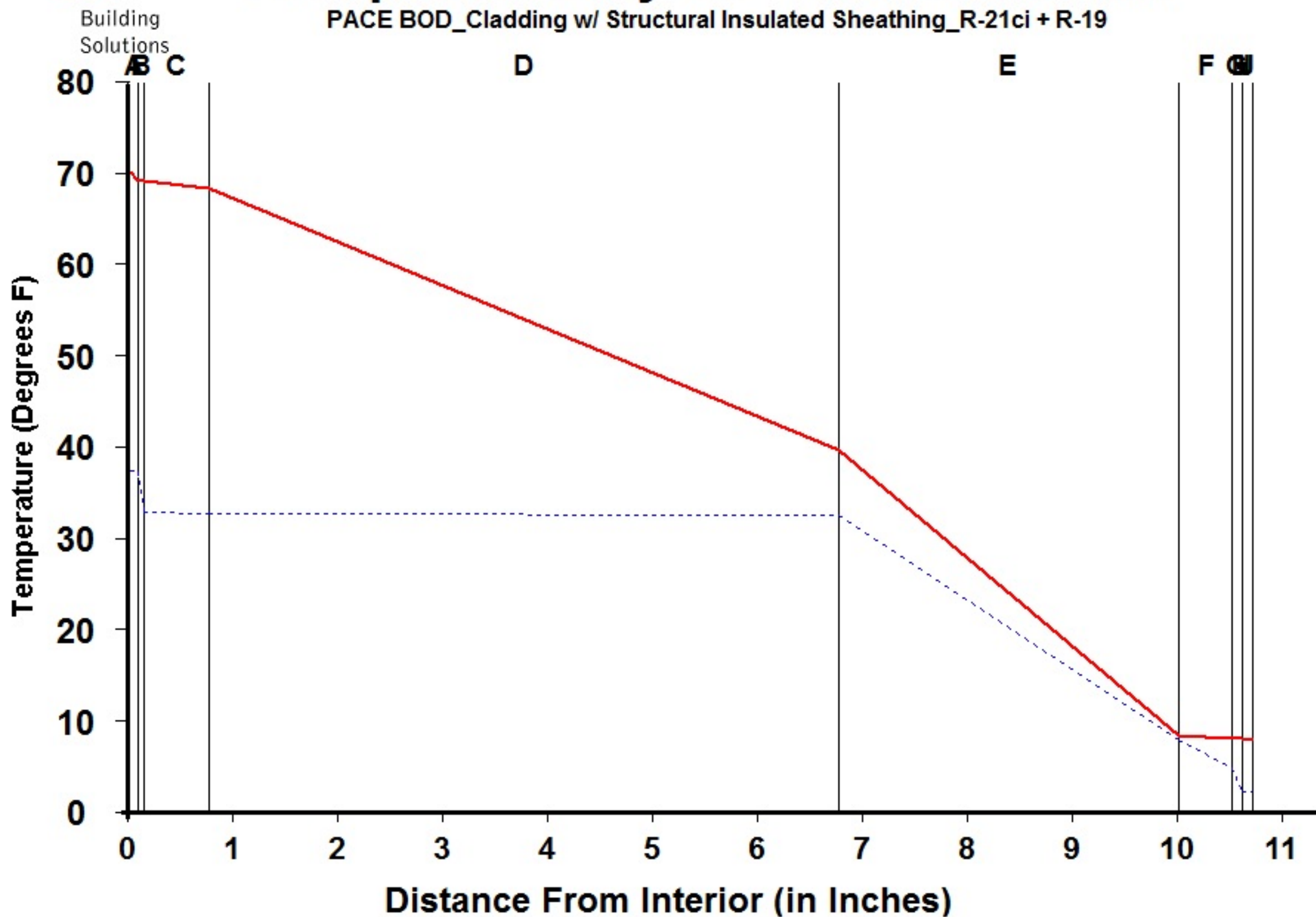
NOTICE: This calculation is based on the theory of Water Vapor Migration presented in the ASHRAE 1993 Fundamentals Handbook. Actual performance may vary depending upon air infiltration, workmanship, and building materials. Since the information is provided without charge, The Dow Chemical Company assumes **no obligation or liability** for its use.

September 18 2023 4:37:18 PM



Dewpoint Analysis - Dow Chemical

PACE BOD_Cladding w/ Structural Insulated Sheathing_R-21ci + R-19



Legend

- Actual Temperature
- - - Dewpoint Temperature

Dewpoint Theory predicts condensation in a system at any point where the actual and dewpoint temperature lines cross.

Conditions:

	Interior	Exterior
Temperature	70.0	7.7
Humidity	30.0	75.0

Component Name					Interface	Temperature Actual	Dewpnt	Accum (oz/day-sqft)
A	Interior Air Film	0.100	0.68	0.001	-A	70.00	37.17	0.000
B	Latex Paint 2 Coat	0.050	0.01	0.500	AB	68.98	37.16	0.000
C	Gypsum Board	0.625	0.56	0.023	BC	68.96	32.76	0.000
D	Batt Insulation	6.000	19.00	0.010	CD	68.12	32.55	0.000
E	Polyurethane Insulation	3.250	20.75	1.788	DE	39.54	32.45	0.000
F	MgO Board	0.500	0.25	0.112	EF	8.33	7.69	0.000
G	Air/Water Barrier	0.100	0.00	0.083	FG	7.96	4.68	0.000
H	Wall Air Space NonRefl	0.000	0.00	0.000	GH	7.96	2.11	0.000
I	Ventilated Cladding	0.000	0.00	0.000	HI	7.96	2.11	0.000
J	Out Air Film Winter	0.100	0.17	0.001	IJ	7.96	2.11	0.000
K					JK	7.70	2.08	0.000
L					KL			
					L-			
TOTAL								

NOTICE: This calculation is based on the theory of Water Vapor Migration presented in the ASHRAE 1993 Fundamentals Handbook. Actual performance may vary depending upon air infiltration, workmanship, and building materials. Since the information is provided without charge, The Dow Chemical Company assumes **no obligation or liability** for its use.

September 18 2023 4:40:47 PM