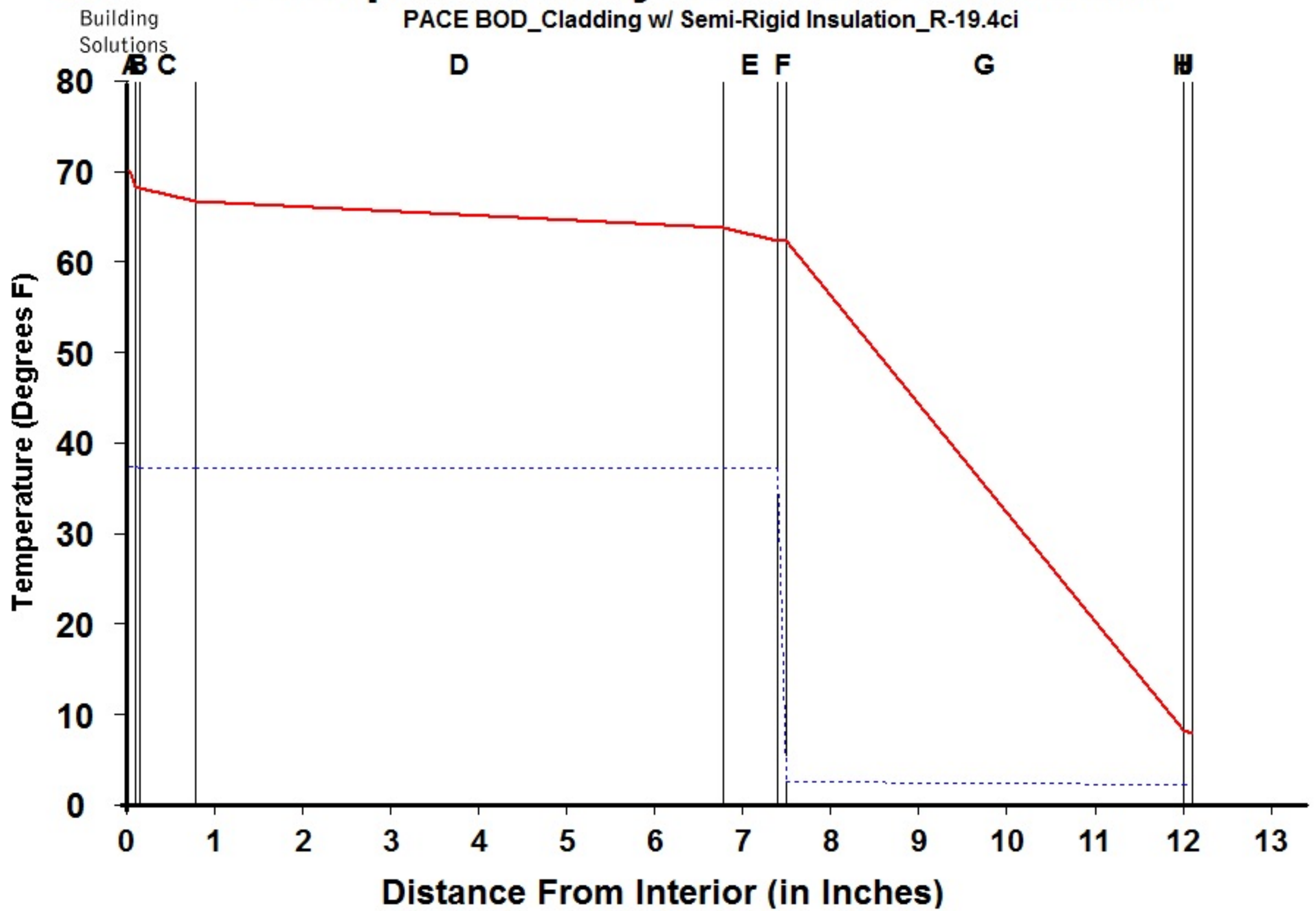




Dewpoint Analysis - Dow Chemical

PACE BOD_Cladding w/ Semi-Rigid Insulation_R-19.4ci



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	68.10	37.17	0.000
C	Gypsum Board	0.625	0.56	0.023	BC	68.08	37.06	0.000
D	Wall Air Space NonRefl	6.000	1.01	0.006	CD	66.52	37.06	0.000
E	Gypsum Sheathing	0.625	0.56	0.027	DE	63.70	37.06	0.000
F	CCW 705FRA	0.100	0.01	100.000	EF	62.14	37.05	0.000
G	Mineral Wool (semi-rigid)	4.500	19.35	0.450	FG	62.11	2.44	0.000
H	Wall Air Space NonRefl	0.000	0.00	0.000	GH	8.17	2.08	0.000
I	Ventilated Cladding	0.000	0.00	0.000	HI	8.17	2.08	0.000
J	Out Air Film Winter	0.100	0.17	0.001	IJ	8.17	2.08	0.000
K					JK	7.70	2.08	0.000
L					KL			
					L-			
TOTAL								

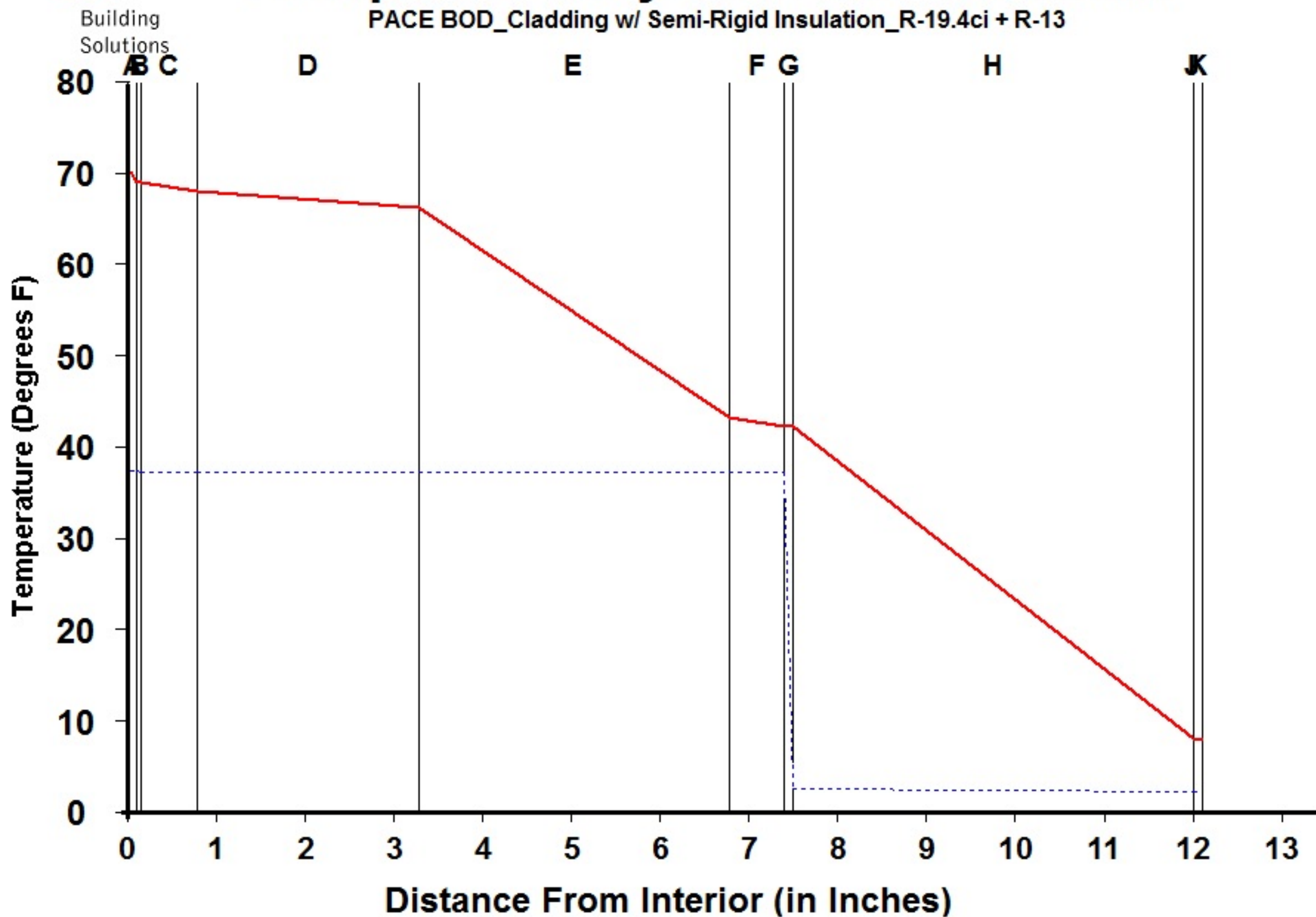
NOTICE: This calculation is based on the theory of Water Vapor Migration presented in the ASHRAE 1993 Fundamentals Handbook. Actual performance may vary depending upon air infiltration, workmanship, and building materials. Since the information is provided without charge, The Dow Chemical Company assumes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

September 6 2023 4:13:28 PM



Dewpoint Analysis - Dow Chemical

PACE BOD_Cladding w/ Semi-Rigid Insulation_R-19.4ci + R-13



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	68.80	37.17	0.000
C	Gypsum Board	0.625	0.56	0.023	BC	68.78	37.06	0.000
D	Wall Air Space NonRefl	2.500	1.01	0.006	CD	67.80	37.06	0.000
E	Batt Insulation	3.500	13.00	0.010	DE	66.02	37.06	0.000
F	Gypsum Sheathing	0.625	0.56	0.027	EF	43.11	37.05	0.000
G	CCW 705FRA	0.100	0.01	100.000	FG	42.12	37.05	0.000
H	Mineral Wool (semi-rigid)	4.500	19.35	0.450	GH	42.10	2.44	0.000
I	Wall Air Space NonRefl	0.000	0.00	0.000	HI	8.00	2.08	0.000
J	Ventilated Cladding	0.000	0.00	0.000	IJ	8.00	2.08	0.000
K	Out Air Film Winter	0.100	0.17	0.001	JK	8.00	2.08	0.000
L					KL	7.70	2.08	0.000
					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 6 2023 4:11:31 PM