

DEW POINT ANALYSIS

DALLAS, TX

DFW 3 Month Average Coldest Temperature:

46

Indoor Temperature:

70

74

Wall Type	Interior Insulation	Exterior Insulation	Temp. Indoor*	RH Indoor	Dew Point*	Ave. 3 Moths	Rc	Rt	Ts Sheathing	Y/N
2x4 Batts	13	0	70	30	36.5	46	13	13	46.00	YES
2x4 Batts	13	3	70	30	36.5	46	13	16	50.50	YES
2x4 Batts	13	5	70	30	36.5	46	13	18	52.67	YES
2x4 Foam	12.75	0	70	40	45	46	13	12.75	45.53	YES
2x4 Foam	12.75	3	70	40	45	46	13	15.75	50.19	YES
2x4 Foam	12.75	5	70	40	45	46	13	17.75	52.42	YES
2x4 Cellulose	13.5	0	74	45	52	46	13.5	13.5	46.00	NO
2x4 Cellulose	13.5	3	74	45	52	46	13.5	16.5	51.09	NO
2x4 Cellulose	13.5	5	74	45	52	46	13	18.5	54.32	YES
2x4 BIB	13.5	0	74	50	54	46	13.5	13.5	46.00	NO
2x4 BIB	13.5	3	74	50	54	46	13.5	16.5	51.09	NO
2x4 BIB	13.5	5	74	50	54	46	13	18.5	54.32	YES
2x6 Batts	19	0	70	30	36.5	46	19	19	46.00	YES
2x6 Batts	19	3	70	30	36.5	46	19	22	49.27	YES
2x6 Batts	19	5	70	30	36.5	46	19	24	51.00	YES
2x6 Foam	20	0	70	40	45	46	20	20	46.00	YES
2x6 Foam	20	3	70	40	45	46	20	23	49.13	YES
2x6 Foam	20	5	70	40	45	46	20	25	50.80	YES
2x6 Cellulose	21	0	74	45	52	46	21	21	46.00	NO
2x6 Cellulose	21	5	74	45	52	46	21	26	51.38	NO
2x6 Cellulose	21	8	74	45	52	46	21	29	53.72	YES
2x6 BIB	21	5	74	50	54	46	21	26	51.38	NO
2x6 BIB	21	8	74	50	54	46	21	29	53.72	NO
2x6 BIB	21	10	74	50	54	46	21	31	55.03	YES

* If Indoor Temperature and Humidity change, then Dew Point changes as well.

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