

FABCON R-VALUES



PRODUCT		R-VALUES Finite Element Analysis
8" VC+Green		13.6
8.5" VC+Green		14.6
10" VC+Green		16.9
10.5" VC+Green		17.9
12" VC+Green		20.2
12" Sandwich VC+		28.2
8" 3-2-3		11.9

We have updated our R-Values based on a 3 dimensional Finite Element Analysis performed by Havtek. These values were the results of modelling that uses an outside temperature of 100 degrees and inside of 70 degrees. This temperature gradient was chosen because of similar hot box tests using these values. You will notice there is an increase to most of the original values. You will also note the comparison to the standard 3-2-3 type panel analyzed with the same modelling.

These values can be used for acceptance in the different climatic regions primarily in the performance comparison of the overall building to that of a model building performance in the region. It may also be possible to get acceptance in the prescriptive section but has more complexity in explanation. The acceptance has been generated in comparison with ASHRAE 90.1, utilizing the Appendix A and specifically A9.2.