

HOOVER TREATED WOOD PRODUCTS, INC.

TECHNICAL NOTE

FOR ADDITIONAL INFORMATION: www.frtw.com or 1-800-TEC-WOOD (832-9663)

UL V314 INSULATION EVALUATION

D&D Engineering, LLC performed an independent evaluation of Hoover Treated Wood Products' UL V314 Listed assembly. In the professional opinion of D&D Engineering, LLC, UL V314 can achieve the same 2-hour level of fire resistance with a lower glass fiber batt insulation R-value (such as R-13) as long as the wall cavity is filled and the friction fit is maintained.

The evaluation made use of the methods of determining fire resistance per IBC 703.3, with focus on Items 3 and 4, using IBC Section 722, and also comparing UL V314 to other similar Listed 2-hour assemblies.

SUPPORTING INFORMATION

The SFPE Handbook of Fire Protection Engineering and T. Z. Harmathy's Rule #3 suggests the provision of insulation is beneficial but the increase in insulation beyond that to fill the stud cavity does not increase the fire-resistance rating of the assembly.