Technical Bulletin #7b

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FIRE RESISTIVE ASSEMBLIES

Extreme has conducted the most extensive fire assembly testing in the SIP Industry. As a result of this destructive testing, we can document the performance of Extreme under the rigorous test standards of ASTM – E119, ASTM - E84 and UBC 26-3. One Hour fire resistive assemblies are achieved by combinations of underlying structure and protection of that structure by Gypsum Wall Board.

Residential structures are typically required to meet a fifteen minute standard. That standard is commonly met by applying ½" layer of gypsum drywall over Extreme panels.

Commercial and multi-family structures can be required to meet one-hour fire resistive standards. These prescriptive assemblies are listed in the UL Fire Resistive Assembly Book, but can be summarized as follows;

1.) Two layers of 5/8" Type X gypsum, attached per Extreme code report, over Extreme panels with either spline or lumber connections.

2.) One layer of 5/8" Type C gypsum, attached per Extreme code report, over Extreme panels joined with dimensional lumber or solid engineered wood products.

As with any fire resistive issue, the local jurisdiction requirements will vary by region. You should contact your local building department to determine requirements and involve the Extreme Sales and Technical team early in the design process in order to satisfy any concerns by either the building department or the design professional.