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All Weather Insulated Panels
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Attn: William Lowery
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RESEARCH REPORT: 25697
(CSI 13030)

Expires: February 1, 2011
Issued: January 1, 2009
Code: 2008 LABC

GENERAL APPROVAL – Renewal - All Weather Insulated Panels type SM40, MV40 and HE40 Wall and Ceiling Panels.

DETAILS

All Weather Insulated Panels are metal faced sandwich panels with 2 to 6 inch thick polyurethane foam core. The polyurethane blowing agent is Honeywell's HFC 245fa (Enovate 3000), non-VOC, non-ozone depleting is combined with DOW CM 718 Polyol and Voracor CE 120 ISO to produce 2.1 to 2.6 pounds per cubic foot rigid foam. The metal skins are minimum 26 GA (.43 mm) galvanized steel conforming to ASTM A 446 Grade C.

The DOW CM 718 Polyol and Voracor CE 120 ISO polyurethane foam core has a flame spread index of 20, a smoke density index of 400, flash-ignition temperature of 860 degrees F and a self-ignition temperature of 896 degrees F.

The approval of the system is subject to the following conditions:

1. Panel shall be fabricated in the shop of Type I licensed fabricator approved by the Los Angeles City Building Department.
2. Complete plans and design calculations bearing the signature of a licensed civil or structural engineer registered in the State of California shall be submitted to Structural Plan Check Section for review and approval.
3. Panels may be used in exterior walls of one story non-combustible buildings where exterior wall panels shall be limited to a maximum of 4 inches, and the building shall be protected by automatic sprinklers throughout and the interior of the building shall be

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All Weather Insulated Panels

RE: Type SM40, MV40 and HE40 Wall and Ceiling Panels

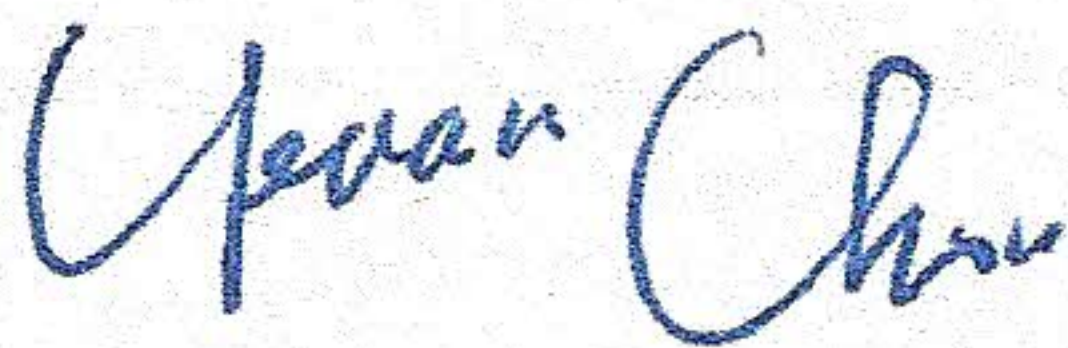
separated from the foam plastic by an approved thermal barrier of 0.5-inch gypsum wallboard or equivalent material per Sec.2603.4 of 2008 Los Angeles Building Code .

4. The allowable panel span shall per pursuant to the attached tables.
5. The panels shall be identified with the following information:
 1. Product name and type
 2. Identification of insulation manufacturer
 3. Flame-spread and smoke-development rating.
 4. Inspection agency name.
6. Connections of the panel to building frame shall be approved with an LARR#.
7. Ceiling panels used as part of the suspended ceiling system shall comply with Information Bulletin P/BC 2002-040 "Recommended standards for suspended ceiling assemblies".
8. Locations of connectors must be detailed on approved plans and approved by Plan Check.
9. The panels shall be installed per the manufacturer's erection instructions. A copy of these instructions shall be available on the construction site.
10. The panels are limited to non-load-bearing wall application.

DISCUSSION

This approval is based on tests and analysis.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this approval have been met in the project in which it is to be used.



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Attachment: Allowable Load Tables for Walls and Ceilings (1 page)