



ICBO Evaluation Service, Inc.

A subsidiary corporation of the International Conference of Building Officials

5360 WORKMAN MILL ROAD

• WHITTIER, CALIFORNIA 90601-2299

• (310) 699-0543
FAX (310) 695-4694

ACCEPTANCE CRITERIA FOR METAL-FACED PLASTIC CORE WALL PANELS ON NONCOMBUSTIBLE EXTERIOR WALLS

AC25
January 1992

Revised May 1995*

PREFACE

Evaluation reports issued by the ICBO Evaluation Service, Inc. (ICBO ES), are based upon performance features of the *Uniform Building Code*[™], *ICBO Uniform Mechanical Code*[™] and related codes. Section 104.2.8 of the Uniform Building Code is the primary charging section upon which evaluation reports are issued. Section 104.2.8 reads as follows:

The provisions of this code are not intended to prevent the use of any material, alternate design or method of construction not specifically prescribed by this code, provided any alternate has been approved and its use authorized by the building official.

The building official may approve any such alternate, provided the building official finds that the proposed design is satisfactory and complies with the provisions of this code and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in suitability, strength, effectiveness, fire resistance, durability, safety and sanitation.

The building official shall require that sufficient evidence or proof be submitted to substantiate any claims that may be made regarding its use. The details of any action granting approval of an alternate shall be recorded and entered in the files of the code enforcement agency.

The attached acceptance criteria for the general code sections noted have been issued to provide all interested parties with guidelines on implementing performance features of the codes. The attached acceptance criteria were developed and adopted following public hearings conducted by the Evaluation Committee. These criteria may be revised from time to time as the need dictates.

ICBO ES may consider alternate criteria, provided the proponent submits valid data demonstrating that the alternate criteria are at least equivalent to the attached criteria and otherwise meet the applicable performance requirements of the codes. Notwithstanding that a material, type or method of construction, or equipment, meets the attached acceptance criteria, or it can be demonstrated that valid alternate criteria are equivalent and otherwise meet the applicable performance requirements of the codes, if the material, product, system or equipment is such that either unusual care with its installation or use must be exercised for satisfactory performance, or malfunctioning is apt to cause unreasonable property damage or personal injury or sickness relative to the benefits to be achieved by the use thereof, ICBO ES retains the right to refuse to issue or renew an evaluation report.

Published by the

International Conference of Building Officials

5360 WORKMAN MILL ROAD • WHITTIER, CALIFORNIA 90601-2298

Copyright © 1995 ICBO Evaluation Service, Inc.

PRINTED IN THE U.S.A.

*Editorially revised to reflect 1994 code references.

ACCEPTANCE CRITERIA FOR METAL-FACED PLASTIC CORE WALL PANELS ON NONCOMBUSTIBLE EXTERIOR WALLS

1. PURPOSE

Basis of recognizing metal-faced, solid plastic wall panels under Section 104.2.8 of the Uniform Building Code (code).

2. CONSIDERATIONS

Recognition of the panels under Section 2602.5.2 of the code. Further, that prefabricated panels may be tested as unitized material under Sections 2602.5.2.1.2 and 2602.5.2.2.4 of the code, in lieu of testing components individually.

3. CONCLUSION

Recognition of metal-faced, solid plastic wall panels under Section 2602.5.2 of the code can be granted under the following conditions:

3.1 Prefabricated panels qualify as unitized material under Section 4 of this criteria.

3.2 The unitized material in prefabricated panels has a flame-spread rating of 25 or less and a smoke-developed rating of 450 or less in accordance with U.B.C. Standard 8-1 when tested in the thickness intended for use.

3.3 Panels comply with Section 2602.5.2 except as noted in Section 2 of this criteria.

4. UNITIZED MATERIAL

For purposes of this criteria, unitized material is defined as panels consisting of components bonded to each other and requiring a minimum average peel torque of 100 N-mm/mm (22.5 inch pounds per inch) to separate the bonded materials or the core when tested in accordance with ASTM D 1781 under the following conditions:

4.1 After manufacturing and conditioning for 48 hours at 70°F. and a 50 percent relative humidity.

4.2 After eight hours in boiling water.

4.3 After 21 days in water at 70°F.