



Designation: C 1047 – 99

Standard Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base¹

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This standard has been approved for use by agencies of the Department of Defense.

1. Scope *

1.1 This specification covers accessories used in conjunction with assemblies of gypsum wallboard and gypsum veneer plaster to protect edges and corners and to provide architectural features (see Fig. 1).

1.2 The values stated in inch-pound units are to be regarded as the standard. The SI units in parentheses are provided for information purposes only. The SI equivalents of inch-pound units may be approximate.

2. Referenced Documents

2.1 ASTM Standards:

- A 463 Specification for Steel Sheet, Aluminum-Coated, by Hot-Dip Process²
- A 591/A 591M Specification for Steel Sheet, Electrolytic Zinc-Coated, for Light Coating Mass Applications²
- A 653/A 653M Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process²
- B 69 Specification for Rolled Zinc³
- B 117 Practice of Salt Spray (Fog) Apparatus⁴
- C 475 Specification for Joint Compound and Joint Tape for Finishing Gypsum Board⁵
- C 587 Specification for Gypsum Veneer Plaster⁵
- D 1788 Specification for Rigid Acrylonitrile-Butadiene-Styrene (ABS) Plastics⁶
- D 2092 Guide for Preparation of Zinc-Coated (Galvanized) Steel Surfaces for Painting⁷
- D 3678 Specification for Rigid Poly(Vinyl Chloride) (PVC)

¹ This specification is under the jurisdiction of ASTM Committee C-11 on Gypsum and Related Building Materials and Systems and is the direct responsibility of Subcommittee C11.02 on Specifications and Test Methods for Accessories and Related Products.

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² Annual Book of ASTM Standards, Vol 01.06.

³ Annual Book of ASTM Standards, Vol 02.04.

⁴ Annual Book of ASTM Standards, Vol 03.02.

⁵ Annual Book of ASTM Standards, Vol 04.01.

⁶ Discontinued; see 1989 Annual Book of ASTM Standards, Vol 08.02.

⁷ Annual Book of ASTM Standards, Vol 06.02.

Interior Profile Extrusions⁸

3. Terminology

3.1 Definitions:

3.1.1 *flange*—that part of the accessory extending out on the face of the gypsum board.

3.2 Definitions of Terms Specific to This Standard:

3.2.1 *accessories*—cornerbeads, edge trims, and control joints, such as casing beads, bull noses, and stops.

3.2.2 *control joint*—a formed product used for designed or required separations between adjacent surfaces of gypsum boards or gypsum veneer base.

3.2.3 *cornerbead*—a formed metal, plastic, or metal and paper angle for outside corners of gypsum boards or gypsum veneer base.

3.2.4 *edge trim*—typically “J”- or “L”-shaped strip, as shown in Fig. 1, formed of metal, plastic, or metal and paper to cover exposed ends or edges of gypsum board or gypsum veneer base.

4. Materials and Manufacture

4.1 Steel accessories and steel components of accessories manufactured from steel and paper in combination shall be manufactured from zinc-coated cold-roll (coil or cut length) sheet steel not less than 0.012-in. (0.30-mm) thick before application of coating.

4.1.1 Sheet steel, zinc-coated by the hot-dip process, shall be in accordance with Specification A 653/A 653M, minimized spangle, minimum G-30 coating.

4.1.2 Sheet steel, zinc-coated by the electrolytic process shall be in accordance with Specification A 591/A 591M, minimum coating on surface side to be 0.000140 in. (0.00356 mm), minimum coating on reverse side to be 0.00010 in. (0.00254 mm).

4.1.3 Sheet steel, aluminum-coated, shall be in accordance with Specification A 463 minimum T1-40 coating.

4.1.4 Phosphatizing (as specified in Method A of Guide D 2092) or other surface treatments may be used to ensure compatibility and bond as specified in Section 5.

⁸ Annual Book of ASTM Standards, Vol 08.04.

*A Summary of Changes section appears at the end of this standard.