



Designation: ~~C1047-09~~ Designation: C1047 - 10

Standard Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base¹

This standard is issued under the fixed designation C1047; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

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 base 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 standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

2. Referenced Documents

2.1 *ASTM Standards:*²

A463/A463M Specification for Steel Sheet, Aluminum-Coated, by the Hot-Dip Process

A653/A653M Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process

A879/A879M Specification for Steel Sheet, Zinc Coated by the Electrolytic Process for Applications Requiring Designation of the Coating Mass on Each Surface

B69 Specification for Rolled Zinc

B117 Practice for Operating Salt Spray (Fog) Apparatus

C11 Terminology Relating to Gypsum and Related Building Materials and Systems

C475/C475M Specification for Joint Compound and Joint Tape for Finishing Gypsum Board

C587 Specification for Gypsum Veneer Plaster

D1788 ~~Specification for Rigid Acrylonitrile-Butadiene-Styrene (ABS) Plastics~~³

~~D2092 Guide for Preparation of Zinc-Coated (Galvanized) Steel Surfaces for Painting~~ Specification for Rigid Acrylonitrile-Butadiene-Styrene (ABS) Plastics³

~~D3678 Specification for Rigid Poly(Vinyl Chloride) (PVC) Interior-Profile Extrusions~~ Specification for Rigid Poly(Vinyl Chloride) (PVC) Interior-Profile Extrusions

~~D6386 Practice for Preparation of Zinc (Hot-Dip Galvanized) Coated Iron and Steel Product and Hardware Surfaces for Painting~~

3. Terminology

3.1 *Definitions:*

3.1.1 Definitions shall be in accordance with Terminology C11.

3.2 *Definitions of Terms Specific to This Standard:*

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

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

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

3.2.4 *edge trim, n*—typically “J”- or “L”-shaped strip, as shown in Fig. 1, formed of metal, plastic, or metal and paper to cover

¹ This specification is under the jurisdiction of ASTM Committee C11 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 For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Withdrawn. The last approved version of this historical standard is referenced on www.astm.org.

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

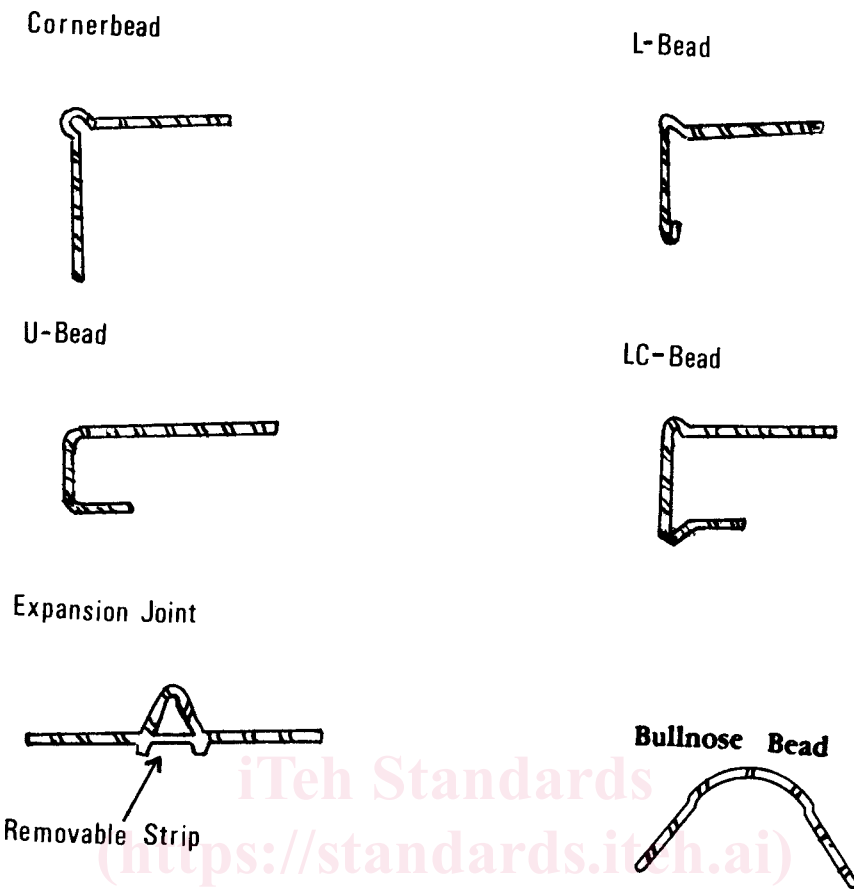


FIG. 1 Accessories for Gypsum Wallboard and Gypsum Veneer Base

exposed ends or edges of gypsum board or gypsum veneer base.

3.2.5 *flange, n*—that portion of the accessory used for the attachment to gypsum wallboard, gypsum veneer base, or a framing member.

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 A653/A653M, minimized spangle, minimum G-30 coating.

4.1.2 Sheet steel, zinc-coated by the electrolytic process shall be in accordance with Specification A879/A879M, 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 A463/A463M minimum T1-40 coating.

4.1.4 Phosphatizing (as specified in Method A of Guide D2092)

4.1.4 Zinc-phosphate treatment (as specified in 5.4.2 of Practice D6386) or other surface treatments may be used to ensure compatibility and bond as specified in Section 5.

4.2 Zinc accessories shall be manufactured from rolled zinc in accordance with Specification B69, Type I, not less than 0.012-in. (0.305-mm) thick.

4.3 Plastic accessories shall be manufactured from rigid PVC or ABS plastic not less than 0.012-in. (0.305 mm) thick.

4.3.1 PVC, Specification D3678, Class II or III.

4.3.2 ABS, Specification D1788 - 81, all limits 5-3-3-1-1.

4.4 Paper components of accessories manufactured from steel and paper in combination shall comply with requirements for thickness, tensile strength, dimensional stability, and bond of joint tape to joint compound as specified in Specification C475/C475M.

5. Physical Properties

5.1 *Compatibility and Bond*—Accessories shall be compatible with and provide a surface bond to the materials specified in Specifications C475/C475M and C587.