

BXUV.U512 - Fire-resistance Ratings - ANSI/UL 263

**Drywall Solutions**

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

[See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States](#)
[Design Criteria and Allowable Variances](#)

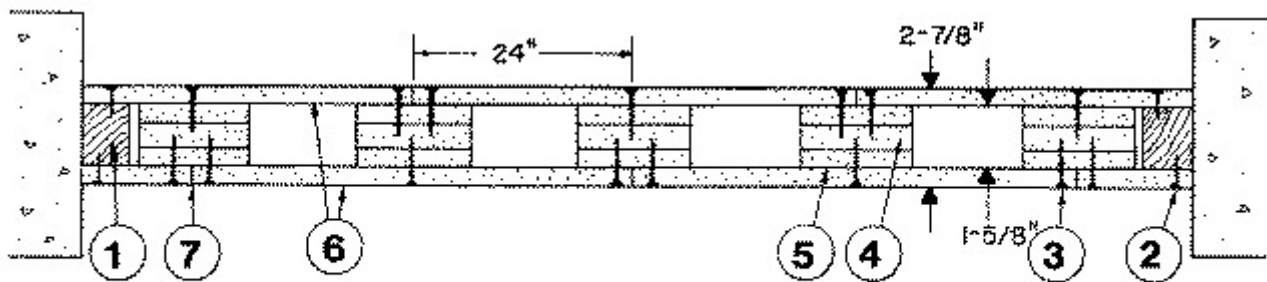
[See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada](#)
[Design Criteria and Allowable Variances](#)

Design No. U512

October 08, 2020

Nonbearing Wall Rating — 1 HR.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

**HORIZONTAL SECTION**

1. Wood+ or Steel Runners — 1-5/8 by 1-5/8 in. pine, or 22 MSG galv steel channels used on sill, lintel, and sides. Wood runners fastened to concrete or masonry with 1/4 in. diam by 2-1/2 in. steel bolts, with washers, and expansion shields, steel

runners secured with concrete fasteners, both spaced 24 in. OC.

2. Nails or Screws — To secure wallboard to runners. Nails 6d by 1-7/8 in. long with 1/4 in. diam head or 0.137 in. diam by 1-1/4 in. long steel screws with 0.335 in. diam Phillips head, spaced 8 in. OC, used with wood runners. Self-tapping, self-drilling 0.137 in. diam by 1 in. long, Phillips head, steel screws spaced 8 in. OC used with steel runners.

3. Wood Screws — Wallboard secured to ribs with No. 10 by 1-1/2 in. flathead wood screws spaced vertically 18 in. OC.

4. Gypsum Ribs* — Gypsum Board* — 1-5/8 in. thick by 6 in. wide laminated from two layers of 1/2 in. and one layer of 5/8 in. thick gypsum wallboard, not more than 4 in. less in length than partition height. Spaced 24 in. OC and located at vertical joints.

AMERICAN GYPSUM CO — Type AGX-1, M-Glass, AG-C, LightRoc.

CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

CERTAINTED GYPSUM INC — Type C, Type X, Type X-1, Easi-Lite Type X-2, 5/8" Easi-Lite Type X.

CGC INC — Types C, IP-X1, IP-X2, R, SCX, SHX, ULX, WRC or WRX.

CERTAINTED GYPSUM INC — Types LGFC-C/A for 1/2 in. and Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD, LGLLX, CLLX for 5/8 in.

GEORGIA-PACIFIC GYPSUM L L C — 1/2 in. Types 5, C or DAPC and 5/8 in. Types 5, 6, 9, DA, DAP, DAPC, DGG, DS, GPFS6, LS, TG-C, Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W.

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-5, PG-9, PG-11, PGS-WRS, PGI

PANEL REY S A — Type PRX2

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

THAI GYPSUM PRODUCTS PCL — Type C, Type X

UNITED STATES GYPSUM CO — Type C, IP-X1, IP-X2, R, SCX, SHX, ULX, WRC, WRX, ULIX.

USG BORAL DRYWALL SFZ LLC — Types C, SCX

USG MEXICO S A DE C V — Type C, IP-X1, IP-X2, SCX, SHX, ULX, WRC or WRX.

4A. Gypsum Board* Ribs — (As an alternate to Item 4) — 1-7/8 in. thick by 6 in. wide laminated from three layers of 5/8 in. thick gypsum wallboard, not more than 4 in. less in length than partition height. Spaced 24 in. OC and located at vertical joints.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES.

4B. Wall and Partition Facings and Accessories* Ribs — (As an alternate to Item 4 and 4A) — 1-7/8 in. thick by 6 in. wide laminated from three layers of 5/8 in. thick gypsum wallboard, not more than 4 in. less in length than partition height. Spaced 24 in. OC and located at vertical joints.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527.

5. Adhesive — Laminating compound to attach wallboard to ribs, of the type used in joint treatment, 25 lb of dry mix to 17 pt of water, applied to ribs with applicator producing beads about 5/8 in. in diam spaced 1-3/4 in. OC.

6. Gypsum Board* — 5/8 in. thick, paper, glass mat or vinyl surfaced. Edges of wallboard attached to ribs with compound and screws and to wood or metal runners with nails or screws.

AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, LightRoc.

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1.

CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

CERTAINTED GYPSUM INC — Types EGRG, GlasRoc, GlasRoc-2, Type C, SilentFX, Type X, Type X-1, Easi-Lite Type X-2.

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX (Joint tape and compound, Item 7, optional for use with Type USGX), WRC or WRX.

CERTAINTED GYPSUM INC — Types LGFC-C/A for 1/2 in. and Types LGFC2A, LGFC6A, LGFC-C/A, LGLLX for 5/8 in.

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DA, DAP, DAPC, DGG, DS, GPFS6, LS, TG-C, Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W.

NATIONAL GYPSUM CO — Types FSK, FSMR-C, FSW, FSW-3, FSW-6, FSW-8, FSL, RSX.

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type C, PG-9, PG-11, PG-C, PGS-WRS, PGI

PANEL REY S A — Type PRX2

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

THAI GYPSUM PRODUCTS PCL — Type C, Type X.

UNITED STATES GYPSUM CO — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, WRC, WRX, USGX (Joint tape and compound, Item 7, optional for use with Type USGX), ULIX

USG BORAL DRYWALL SFZ LLC — Types C, SCX, USGX (Joint tape and compound, Item 7, optional for use with Type USGX)

USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX (Joint tape and compound, Item 7, optional for use with Type USGX), WRC or WRX.

6A. Gypsum Board* — (As an alternate to Item 6) — Nom 3/4 in. thick, installed as described in Item 6.

CGC INC — Types AR, IP-AR.

UNITED STATES GYPSUM CO — Types AR, IP-AR.

USG MEXICO S A DE C V — Types AR, IP-AR.

6B. Gypsum Board* — (As an alternate to Items 6 and 6A) — Nominal 5/8 in. thick, 4 ft wide panels, secured as described in Item 4.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES.

6C. Wall and Partition Facings and Accessories* — (As an alternate to Items 6 through 6B) — Nominal 5/8 in. thick, 4 ft wide panels, secured as described in Item 4.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-527.

7. Joints — Wallboard joints exposed or covered with fiber tape and joint finisher. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

+When wood runners are used, the rating is combustible.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

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