

CertainTeed
ProRoc[®] BRAND
Shaftliner Type X

Product Data and Submittal

Product Description

ProRoc[®] Shaftliner Type X is a 1" thick and 2 ft wide gypsum shaftliner and coreboard with a fire resistive core enclosed in a moisture resistant green paper for use in ProRoc[®] Shaftwall and Area Separation Wall systems. ProRoc[®] Shaftliner is available in a variety of lengths.

Sizes and Types

Thickness: 1"
Widths: 2' Standard
Lengths: 8' (2438mm) and 12' (3658mm) Standard
Edges: Modified Tapered
Packaging: Per piece
Paper: Green face and back
Weight: 3.7 psf (18 kg/m²)

Applicable Standards

ProRoc[®] Shaftliner Type X meets ASTM C 1396, C 442, and CAN/CSA-A82.27 Type X standards.

Basic Uses

ProRoc[®] Shaftliner Type X is used in conjunction with other ProRoc[®] gypsum board products in Shaftwall and Area Separation Walls.

Gypsum Shaftwall systems have replaced traditional masonry for interior vertical enclosures including stairwells, elevator enclosures and mechanical chases. Some inherent advantages of gypsum shaftwall systems are: one side construction, lighter weight, reduced thickness, ease and speed of installation, no requirement for scaffolding. ProRoc[®] Shaftliner can also be used in Horizontal Systems for membrane and duct protection, as well as corridor ceilings.

ProRoc[®] Shaftwall Systems provide one, two or three hour fire resistive ratings, in non-load bearing configurations. The systems are designed to withstand the intermittent surges of air pressure caused by fast moving elevator cabs.

Area Separation Walls offer the advantages of fire resistance and noise attenuation between adjoining housing units. These walls offer a 2-hour fire resistance rating line of defense between units and provide STC sound ratings up to 60 - 64.

Advantages

Shaftwall Systems

- One side construction eliminates the need for extensive scaffolding
- Rapid and ease of installation reduces overall construction time as well as providing a cost effective system
- Light weight construction
- Reduced wall thickness means greater floor area
- Fire-resistance rating up to three hours

For detailed information, see brochure "ProRoc[®] Shaftliner for Gypsum Shaftwall Systems" Form CTG-2315.

Area Separation Walls

- Economical and efficient installation
- Eliminates the need for extensive scaffolding
- Lighter weight construction
- Reduced wall thickness means greater overall floor area
- Fire-resistance rating up to two hours
- Excellent sound attenuation qualities

For detailed information, see brochure "ProRoc[®] Shaftliner for Area Separation Walls" Form # CTG-2318.

(Continued on back)

Job Name

Contractor

Date

Products Specified:

Submittal Approvals
(Stamps or Signatures)

Limitations

Shaftwall Systems

- For non-load bearing partitions only
- Exposure to continuous moisture should be avoided
- Not recommended for continuous exposure to temperatures exceeding 125° F (52° C)
- Not designed to serve as an unlined air supply duct
- Boards should not come in direct contact with concrete, masonry or other surfaces that have high moisture content
- Boards should be stacked flat on a smooth, level surface, not directly on the ground during storage
- Boards should always be kept dry prior to installation
- Boards should be carried with care to place of installation to prevent damaging of finished edges
- Limiting heights and deflection criteria for the system should be based upon the stud manufacturer's recommendations

Area Separation Walls

- For non-load bearing partitions only
- Exposure to continuous moisture should be avoided
- Not recommended for continuous exposure to temperatures exceeding 125° F (52° C)
- Boards should be stacked flat on a smooth, level surface, not directly on the ground during storage
- Boards should be carried with care to place of installation to prevent damaging of finished edges
- Boards should always be kept dry prior to installation
- Unsupported wall height between floors should not exceed 12 feet. The assembly may be used in buildings up to 4 stories with a total height not to exceed 44 feet

- Penetrations in Area Separation walls are not usually permitted by code authorities
- Finish rating - 120 minutes

Composition and Materials

1" thick and 2 ft wide gypsum shaftliner and coreboard with a fire resistive core enclosed in a moisture resistant green paper.

Technical Data

Surface Burning Characteristics

ProRoc® Shaftliner Type X has a Flame Spread rating of 25 and Smoke Developed rating of 0, in accordance with ASTM E 84.

Fire Resistance

Fire resistance tests are conducted in accordance with ASTM E 119 (ANSI/UL 263, UBC 7-1, NFPA 251, CAN/ULC- S101) and no warranty is made other than conformance to the standard under which the assembly was tested. Minor discrepancies may exist in the values of ratings, attributable to changes in materials and standards, as well as differences between testing facilities.

For fire resistance ratings refer to the Gypsum Association Fire Resistance Design Manual and UL Fire Resistance Directory - Vol. 1.

Installation

Applicable Standards and References

Shaftwall System

ASTM C 1396, C 442, C 475, C 645, C 754, C 840, C 1002, C 1047, E 84, E 119; GA-600, GA-216; UL Design U417; ICBO ER-4924, ICBO ER-3579; NER-506.

Area Separation Walls

ASTM C 1396, C 442, C 475, C 645, C 754, C 840, C 1002, C 1047, E 84, E 119; GA-600, GA-216; UL Design U366.

Recommendations

Installation of ProRoc® Shaftliner Type X Gypsum Boards should be consistent with methods described in the standards and references noted. Cutting should be from the face side of the boards for best results.

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