

SECTION 09 28 16

GLASS-MAT FACED GYPSUM BACKING BOARDS

THIS SECTION IS WRITTEN IN CSI 3-PART FORMAT AND IN CSI PAGE FORMAT; THE PROJECT NAME/NUMBER/DATE AND SECTION TITLE IN THE FOOTER ARE OPTIONAL. NOTES TO THE SPECIFIER, SUCH AS THIS, MUST BE DELETED FROM THE FINAL SPECIFICATION.

IT IS ASSUMED THAT THE GENERAL CONDITIONS BEING USED ARE AIA A201-1997.

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: Fiberglass-mat faced, moisture resistant gypsum backer board.

EDIT LIST BELOW TO CONFORM TO PROJECT REQUIREMENTS. VERIFY SECTION NUMBERS AND TITLES.

- B. Related Sections:

1. Section 09 21 16 Gypsum Board Assemblies.

IF THE PROJECT INCLUDES ALLOWANCES OR ALTERNATES OR UNIT PRICES, RETAIN PARAGRAPHS BELOW AND COORDINATE WITH DIVISION 01.

- C. Allowances:

- D. Unit Prices:

- E. Alternates:

1.02 REFERENCES

- A. ASTM International (ASTM):

1. ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester.
2. ASTM C840 Standard Specification for Application and Finishing of Gypsum

Board.

3. ASTM C1002 Standard Specification for Steel Self-Piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs.
4. ASTM C1178 Standard Specification for Glass Mat Water-Resistant Gypsum Backing Panel.
5. ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber.
6. ASTM D6329 Standard Guide for Developing Methodology for Evaluating the Ability of Indoor Materials to Support Microbial Growth Using Static Environmental Chambers.
7. ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials.

- B. Tile Council of North America, Inc. (TCNA): TCA Handbook for Ceramic Tile Installation, Current Edition.

1.03 SUBMITTALS

- A. Product Data: Manufacturer's specifications and installation instructions for each product specified.

THIS GUIDE SPEC WAS WRITTEN TO PROVIDE THREE EDITING OPTIONS: 1) PROPRIETARY, 2) GENERIC, OR 3) A COMBINATION OF THE TWO.

PART 2 PRODUCTS

IF PROPRIETARY PRODUCT NAMES ARE INCLUDED IN THE "MATERIALS" ARTICLE BELOW, DELETE THIS ARTICLE ALTOGETHER. IF A PROPRIETARY SPECIFICATION IS REQUIRED, RETAIN THIS ARTICLE AND DELETE THE "MATERIALS" ARTICLE.

2.01 MANUFACTURERS

EDIT LISTS BELOW TO CONFORM TO PROJECT REQUIREMENTS. IF OTHER MANUFACTURERS ARE BEING ADDED TO THIS SECTION, ADD LISTINGS OF THEIR PROPRIETARY PRODUCT NAMES.

- A. Georgia-Pacific Gypsum LLC:
1. Fiberglass-Mat Faced Gypsum Backing Board: 1/4 inch DensShield Tile Backer.
 2. Fiberglass-Mat Faced Gypsum Backing Board: 1/2 inch DensShield Tile Backer.
 3. Fiberglass-Mat Faced Gypsum Backing Board: 5/8 inch DensShield Fireguard Tile Backer.

- B.
- C.

THIS ARTICLE INCLUDES GENERIC DESCRIPTIONS OF GYPSUM BACKING BOARD; THE NAMES OF THE CORRESPONDING GEORGIA-PACIFIC GYPSUM PRODUCTS ARE INCLUDED AS ACCEPTABLE PRODUCTS. IF THIS SECTION IS BEING EDITED TO BE GENERIC, THESE PRODUCT NAMES SHOULD BE DELETED. IF OTHER MANUFACTURERS ARE BEING ADDED TO THIS SECTION, 1) ADD THE PROPRIETARY PRODUCT NAMES OF THOSE MANUFACTURERS, OR 2) IF PROPRIETARY NAMES ARE LISTED IN THE "MANUFACTURERS" ARTICLE ABOVE, DELETE THEM FROM THIS ARTICLE ALTOGETHER.

2.02 MATERIALS

- A. Fiberglass-Mat Faced Gypsum Backing Board: ASTM C1178:
 - 1. Thickness: 1/4 inch.
 - 2. Width: 4 feet.
 - 3. Length: 4 feet.
 - 4. Weight: 1.6 lb/sq. ft.
 - 5. Edges: Square.
 - 6. Surfacing: Coated fiberglass mat on face, back, and long edges.
 - 7. Mold Resistance (ASTM D3273): 10, in a test as manufactured.
 - 8. Microbial Resistance (ASTM D6329): Will not support microbial growth.
 - 9. Permeance (ASTM E96): Not more than 1.0 perms when tiled.
 - 10. Robinson Floor Test Rating (ASTM C627): Light commercial.
 - 11. Acceptable Products:
 - a. 1/4 inch DensShield Tile Backer, Georgia-Pacific Gypsum.
 - b.
 - c.

- B. Fiberglass-Mat Faced Gypsum Backing Board: ASTM C1178:
 - 1. Thickness: 1/2 inch.
 - 2. Width: [4 feet] [32 inches].
 - 3. Length: [5 feet] [8 feet].
 - 4. Weight: 2.0 lb/sq. ft.
 - 5. Edges: Square.
 - 6. Surfacing: Coated fiberglass mat on face, back, and long edges.
 - 7. Mold Resistance (ASTM D3273): 10, in a test as manufactured.
 - 8. Microbial Resistance (ASTM D6329): Will not support microbial growth.
 - 9. Permeance (ASTM E96): Not more than 1.0 perms when tiled.
 - 10. Robinson Floor Test Rating (ASTM C627): Light commercial.

11. Acceptable Products:
 - a. 1/2 inch DensShield Tile Backer, Georgia-Pacific Gypsum.
 - b.
 - c.

C. Fiberglass-Mat Faced Gypsum Backing Board: ASTM C1178, Type X:

1. Thickness: 5/8 inch.
2. Width: 4 feet.
3. Length: 8 feet.
4. Weight: 2.5 lb/sq. ft.
5. Edges: Square.
6. Surfacing: Coated fiberglass mat on face, back, and long edges.
7. Mold Resistance (ASTM D3273): Not less than 10, in a test as manufactured.
8. Microbial Resistance (ASTM D6329): Will not support microbial growth.
9. Permeance (ASTM E96): Not more than 1.0 perms when tiled.
10. Robinson Floor Test Rating (ASTM C627): Light commercial.
11. Acceptable Products:
 - a. 5/8 inch DensShield Fireguard Tile Backer, Georgia-Pacific Gypsum.
 - b.
 - c.

2.03 ACCESSORIES

- A. Screws: ASTM C1002, with corrosion resistant treatment.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verification of Conditions:
 1. Inspection: Verify that project conditions and substrates are acceptable, to the installer, to begin installation of work of this section.

3.02 INSTALLATION

- A. General: In accordance with ASTM C840, manufacturer's recommendations and TCA Handbook for Ceramic Tile Installation.

IF OTHER MANUFACTURERS WERE ADDED IN PART 2,
REFERENCE THEIR INSTALLATION RECOMMENDATIONS
BELOW BY TITLE.

1. Manufacturer's Recommendations:
 - a. Current "Product Catalog", Georgia-Pacific Gypsum.

- b.
- c.

3.03 PROTECTION

REVISE BELOW IF OTHER THAN AIA GENERAL CONDITIONS
ARE USED.

- A. Protect gypsum board installations from damage and deterioration until the date of Substantial Completion.

END OF SECTION 09 28 16