

Montgomery County Public Schools Facilities Guide

DIVISION 9 – FINISHES

SECTION 09250

GYP SUM BOARD

PART 1 GENERAL

1.01 GUIDE INCLUDES

- A. Gypsum drywall partition for administrative and office type areas, and other drywall areas such as soffits and ceilings as shown or specified. Use of these partitions in classrooms shall be minimized. In classrooms and corridors, high impact drywall shall be used.

1.02 QUALITY ASSURANCE

- A. Comply with applicable ASTM standards.
- B. MCPS Acoustical Consultant to verify if additional measures are required for LEED EQp3 Minimal Acoustical Performance.

1.03 SUBMITTALS

- A. Submit Material Safety Data Sheets to MCPS's Safety & Environmental Health Unit for review and approval.
- B. Submit manufacturer's certification that gypsum board and field-applied panel adhesives installed in building interior meet testing and product requirements of California Department of Health Services Standard Practice for The Testing Of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.
- C. Submit location of manufacture and extraction/ recovery of primary raw materials.
- D. Submit recycled-content information, designating percentages of post-consumer and pre-consumer recycled materials.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Metal Support Materials
 - 1. ClarkeWestern
 - 2. Dale/Incor
 - 3. Detrich - Worthington Industries
 - 4. Marino/ Ware
- B. Direct Suspension Systems
 - 1. Chicago Metallic Corporation
 - 2. Worthington Steel Co.
 - 3. United States Gypsum Company - Donn
- C. Regular Gypsum Board (for miscellaneous applications) and Related Products
 - 1. LaFarge North America
 - 2. Georgia Pacific Corporation
 - 3. Gold Bond Building Products division of National Gypsum Company.
 - 4. United States Gypsum Company
- D. Abuse-Resistant Gypsum Board (for most applications)
 - 1. Tough Rock by Georgia-Pacific
 - 2. Fiberock by United States Gypsum Company
 - 3. Hi-Impact by National Gypsum Company

2.02 ENVIRONMENTAL PRODUCT REQUIREMENTS

- A. Regional Materials: Provide products manufactured and of primary materials extracted/ recovered within a 500-mile radius of the project site.
- B. Provide products with recycled-content, as follows:
 - 1. Metal support materials manufactured using electric arc furnace (EAF) process and having at least 50 percent total recycled-content including at least 25 percent post-consumer material.
 - 2. Gypsum board and abuse-resistant products having at least 95 inch total recycled content, including synthetic "flue-gas" gypsum content as applicable.
 - 3. Paper facing to be 100 percent post-consumer recycled content if available.
- C. Low-Emitting Materials:
 - 1. Gypsum board and field-applied panel adhesives used within building interior shall meet testing and product requirements of California Department of Health Services Standard Practice for The Testing Of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.
 - 2. At minimum, products need to comply with VOC limits specified in LEED- for Schools if alternatives tested to CA protocol are not available.

2.03 ACCESS PANELS

- A. Provide minimum 18 inch x 24 inch access panels as required or shown.

2.04 SOUND CONTROL

- A. Walls at offices and confidential areas such as conference rooms shall provide sound transmission of STC 48 or better. Walls at classrooms shall provide sound transmission of STC 50 or better. Walls to music rooms, mechanical rooms, cafeteria, gym and auditorium shall provide a sound transmission of STC 60.
- B. Walls above operable partitions shall have STC rating equal to STC of operable partition.
- C. Refer to LEED for Schools Reference Guide for Reverberation Time (RT) requirements.
- D. Provide sound attenuation insulation as required.

Comment [M1]: New LEED for Schools Prerequisite

PART 3 EXECUTION**3.01 WASTE MANAGEMENT**

- A. Recycle waste steel and clean (unpainted) waste gypsum board materials in accordance with Division 1 Construction Waste Management requirements.

3.02 INSTALLATION

- A. Conform to industry standard procedures.
 - 1. Install gypsum board in manner consistent with Division 1 Indoor Air Quality Management Requirements.
- B. Joints shall be taped and spackled to smooth finish.
- C. Outcorners shall be metal beaded.
- D. Joints between gypsum drywall and other materials shall be comprised of a J-trim with minimum 1/4 inch sealant joint.
- E. Furnish additional blockings between studs to support wall mounted furnishings and equipments, i.e. caulk board, tack board, marker board, projection screen.

END OF SECTION