

SECTION 09 51 23
ACOUSTICAL PANEL CEILINGS
Design Standard

PART 1 GENERAL

1.1 PURPOSE

The following standard takes into consideration these objectives.

- A. High noise reduction and CAC coefficients
- B. Good light reflectance to conserve energy associated with mechanical lighting
- C. Product using recycled content
- D. High humidity resistance to prevent sagging

The products cited herein have been installed at the District's campuses, and meet the requirements. Additionally, the continued use of these products will reduce the amount of replacement stocking the District will have to maintain. Maintenance personnel will easily recognize the correct styles to select for spot replacements.

San Mateo County Community College District is strongly committed to promoting sustainability throughout their campus projects. Section 01 81 13 Sustainability of the Design Standard provides guidelines and recommendations for implementing sustainability strategies. Where relevant, specific sustainability criteria is noted in this section; however, each project team should review and cross reference that front section while developing the specific project and its documentation. Each discipline shall conform that specific performance and manufacturer information provided in the specification section is in alignment with code requirements, LEED criteria, and any other goals for sustainability.

PART 2 PRODUCT

The following list of products may be specified for SMCCCD projects. SMCCCD's preference is to simplify design, construction and maintenance by limiting panels to one type in any given project, unless programmatic requirements call for specialized panels in certain areas.

2.1 USG RADAR, 2'X4' FLAT PANEL #2311, WHITE

- A. Lowest grade of acoustic ceiling panel. Use this option only when acoustic criteria, light reflectance, recycled content and humidity resistance are not of high priority and the space is temporary or of utility use only.
- B. NRC rating .55
- C. CAC rating 35
- D. LR rating .84
- E. Recycled Content 40%
- F. Cost rating \$

2.2 USG MILLENIA CLIMA PLUS, ILLUSION TWO/24 PANEL, SLT EDGE DETAIL, PANEL #78780, WHITE

- A. Highest grade of SMCCCD standard acoustic ceiling panel for normal occupied classroom, corridor and office spaces. This panel has the “second look”: it is a 2’ x 4’ panel with a tegular 2’ x 2’ appearance, which adds textural richness to the ceiling plane while still using the economical and easily accessible larger grid spacing.
 - B. NRC rating .70
 - C. CAC rating 35
 - D. LR rating .85
 - E. Recycled Content 72%
 - F. Cost rating \$\$
- 2.3 USG SHEETROCK BRAND LAY-IN CEILING PANEL CLIMAPLUS VINYL
- A. Cleanable, for food service areas.
 - B. NRC rating NA
 - C. CAC rating 40
 - D. LR rating .77
 - E. Recycled Content 23%
 - F. Cost rating \$
- 2.4 USG CLEAN ROOM CLIMAPLUS, #56090, WHITE
- A. For clean room or clean room-type applications only.
 - B. Class 10M-100M Panels, square edge, 2’ x 4’ x 5/8”
 - C. NRC rating .60
 - D. CAC rating 35
 - E. LR rating .79
 - F. Recycled Content 51%
 - G. Cost rating \$\$
- 2.5 GRID: USG DONN/DX
- A. Designers should specify that contractor is to provide 10% attic stock of all panel types used on a project.
- 2.6 APPROVED MANUFACTURERS
- USG

PART 3 EXECUTION

3.1 SUBSTITUTIONS ALLOWED?

Substitutions are not allowed. Pursuant to Section 3400 of the Public Contract: USG products are now in use on the particular public improvement described as San Mateo County Community College District. At each instance in these specifications that a designated material, product, thing or service is designated by "USG", they are designated to match the existing design, durability and maintenance standards that are in place at Skyline College, College of San Mateo, Cañada College and the District Administration Building. The Contractor will furnish and apply "USG" acoustic panels as required, and no substitutions shall be deemed to be "or equal" or allowed.

3.2 ASSOCIATED DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS

N/A

END OF SECTION