
09 50 00 Acoustic Ceilings

1. Submittals Required:

- 1.1. Product Technical Data Sheets for all materials, components and accessories
- 1.2. Clearly identify profiles including sizes and colours
- 1.3. Drawings indicating patterns, orientation and coordination with other trades
- 1.4. All details drawings indicating special installations or intersections at other materials

2. Ceiling Tile and Associated Components:

- 2.1. Use ceiling system appropriate to application. Below is standard environment. Lab and Kitchen environments must be systems designed for those specialty areas.

2.2. Ceiling Tile

- 2.2.1. Use ceiling system appropriate to environment
- 2.2.2. Use system from one manufacturer
- 2.2.3. White with square edge is standard
- 2.2.4. Class A fire rated
- 2.2.5. Dimensional stability and humidity resistant (Flexural Tensile Strength) in 100% relative humidity. Class 1/C/ON in accordance with BS EN 13964
- 2.2.6. Little to no fissuring unless matching existing
- 2.2.7. Only match existing when repairing partial ceiling less than 25% of area in one room
- 2.2.8. Sound Absorption 0.70 or greater – ISO 354
- 2.2.9. Light Reflection 85%
- 2.2.10. Does not harbor micro-organisms
- 2.2.11. Cleanable
- 2.2.12. Contains no Urea – Formaldehyde
- 2.2.13. Low emitting materials
- 2.2.14. Preference for recyclable or compostable materials as well as recycled content

2.3. Grid and Profiles

- 2.3.1. Use system from one manufacturer
- 2.3.2. 24mm Fire Rated White Aluminum Grid is standard for mains and cross tees
- 2.3.3. Wall angles to be used at wall, reveals are optional
- 2.3.4. Clouds and Edges not abutting a wall or bulkhead will be completed with Perimeter Trim profile minimum 50mm high
- 2.3.5. Access Doors at all shut offs, etc.

2.4. Acceptable manufacturers / suppliers include and are not limited to:

- 2.4.1. Armstrong
- 2.4.2. Certainteed
- 2.4.3. CGC
- 2.4.4. Rockfon

2.5. Installation:

- 2.5.1. Work to be performed to manufacturers written instructions and all amendments
- 2.5.2. Ceilings and Interior Systems Construction Association (CISCA) publishes industry accepted practices for proper methods of installing various types of systems.
- 2.5.3. Becoming familiar with the building and any special or unusual conditions, investigate above existing ceilings.
- 2.5.4. Surface tolerance of 1:1000.
- 2.5.5. Layout to maximize using full tiles.
- 2.5.6. Cut tiles to be no less than 75mm.
- 2.5.7. Proceeding with work over unsatisfactory substrate indicates acceptance by trade and will be considered when remediation work or warranty work arises.

2.6. Reserved.