DIVISION 09 00 00
Finishes

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/0N 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.