**Part 1 – GENERAL**

1. **Description**
2. Supply and install acoustical panels. Provide all labor, materials, tools, equipment and services required to comply with the provisions of contractual documentation.
3. Submit shop drawings showing construction and installation details prior to fabrication.
4. **Quality assurance**
5. Fire hazard classification: ASTM E84, UL723 and CAN/ULC S102-M88.
6. Sound transmission classification : ASTM C423.
7. Degree of moisture resistance: ASTM C655.
8. **Delivery, storage and handling**
9. Upon delivery of the acoustical panels, it is the responsibility of the General Contractor to store them in a fully enclosed space and be protected against damage before and after installation.
10. **Related work by others**
11. Paint.
12. Wood blockings.
13. **Warranty**
14. The acoustical panels are guaranteed against warping, delamination and all manufacturing defects for a period of one (1) year. This warranty covering material and labour shall be effective upon the date of signature of the certificate relative to the substantial completion**.**

**Part 2 – Products**

1. **Materials**
2. The wall and/or ceiling acoustical panels shall be manufactured with semi rigid fiberglass mat covered with fabric or perforated vinyl as supplied by Corflex
3. The fiberglass mat at the core of the acoustical panel shall have a density of 96kg/m³ (6lb/sqft3), non-combustible and non-hygroscopic. The substrate shall not permit the growth of mold.
4. The square edge of the panels shall be chemically reinforced.
5. Fabric or perforated vinyl shall cover each panel. The finish shall be evenly laminated on all surfaces with a 38mm (1½’’) fold behind the panel. Panels to be factory made.
6. **Hanging system**
7. The installation will be :

**Select:**

Wall installation recommendation

The mechanical clip attachments made of galvanized steel will secure the panels in place. These clips will be located as per the manufacturer’s recommendations. Lateral panel movement shall not be possible once the hanging system is installed.

Ceiling installation recommendation

Hanging the system to a ceiling will require the use of 51mm (2’’) diameter washers covered with the same finish as the panels and spaced per the manufacturer’s recommendations. Washers shall be anchored with screws, the heads of which shall be painted to match the panel finish.

Ceiling suspended installation recommendation

Suspending the system to the ceiling will require the use of cables and should be spaced as per manufacturer’s instructions. These cables will be suspended with rings screwed to the ceiling and fixed to the panels with cable ties.

1. **Acoustical panel finish**
2. Panel finish must be:

**Select:**

Class A non-combustible fabric. Selected from manufacturer’s colour range.

Class A non-combustible perforated vinyl. Selected from manufacturer’s colour range.

1. **Acoustical performance**
2. The acoustical panels shall have a Noise reduction coefficient (NRC)

**Select:**

0.75 for 25mm (1’’) panels

1.00 for 51mm (2’’) panels

**Part 3 – Execution of work**

1. **Installation**
2. Installation is to be completed by an authorized factory trained installer.