

Fabric Acoustic Wall Panels**SECTION 09840**

- 1.0** **General**
- 1.1 **Related Work in Other Sections**
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|----|------------------------------|---------|
| .1 | Concrete Wall | Section |
| .2 | Masonry Wall | Section |
| .3 | Finish Carpentry or Millwork | Section |
| .4 | Gypsum Wallboard | Section |
| .5 | Electrical Outlets | Section |
- 1.2 **Guarantee**
- .1 Provide a two year written guarantee against defects in materials, workmanship and/or fabric sagging.
- 1.3 **Work Specified**
- .1 Fabric Acoustic Wall Panels designated as **AWP** on drawings or Room Finish Schedule.
- 1.4 **Fire Rating**
- .1 Flame spread rating of each component of the assembly not to exceed 25 as to CAN/ULC-S102-M88 and ASTM E-84 testing.
- 1.5 **Samples**
- .1 Submit 300mm x 300mm samples for final approval prior to ordering. Label samples with manufacturer's names, quality, colour, texture and weight.
- 1.6 **Delivery / Storage / Handling**
- .1 Deliver materials and assemblies to site when areas of application are erected and ready to receive application.
- .2 Store all material flat in a clean, dry storage area. Do not store material on end or in an upright position.
- 2.0** **Products**
- 2.1 **Framework**
- .1 12.5mm or 25mm thick fire retardant PVC extrusion to profile specified or detailed on drawings.
- .2 Supply 37mm plywood strips to furr PVC track sufficient distance off wall to encompass acoustic core where required.
- 2.2 **Acoustic Core**
- .1 (See Technical Data for Acoustic Core Material. Specify 25mm, 37mm, 50mm, 75mm or 100mm and NRC rating required.)
- 2.3 **Fabric**
- .1 (Specify fabric as per manufacturers specifications. Specify additional fabric if required for owners maintenance.)
- 3.0** **Execution**
- 3.1 **Installation**
- .1 Fasten PVC track securely to wall surface in continuous strips around perimeter of wall or to panel sizes indicated on drawings. Fastening to be as recommended by the manufacturer and approved by the Consultant. Ensure that backing or furring strips are securely fastened so as not to produce a wavy effect on wall.
- .2 Ensure PVC track is aligned horizontally and vertically and that mitres and butt joints are square and flush.
- .3 Install acoustic core neatly within the perimeter of the PVC framework. Use full sheets and ensure that butt joints are flush and do not telegraph through fabric face. Acoustic core to be fastened or adhered to wall surface as required.
- .4 Install PVC shims around outlet boxes, receptacles, etc., which occur in the fabric area. Install securely and ensure that all cover plates, etc., mount flush on fabric surface.
- .5 Fabric to be cut by thread or pattern, whichever is applicable. Fabric to have sewn flat seams or abutted panels as detailed.
- .6 Stretch fabric over PVC framework and insert into the jaw of the extrusion using appropriate tools. Fabric to be squared and even, concealing the PVC extrusion. After fabric is stretched over framework, trim all edges and insert remaining salvage material fully into jaws of the extrusion.
- 3.2 **Clean-up**
- .1 Clean fabric surfaces of dust, dirt or other contaminants.
- .2 Remove debris and leave areas neat and clean.