Residential Acoustics AcousticTrac Specification

**Division 09 – Finishes**

**Section 09500 – Acoustical Treatment**

PART 1 – GENERAL

* 1. SUMMARY
1. Section includes:
2. AcousticTrac soundproofing curtain by Residential Acoustics.

1.2 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract including supplements and addendums.

B. Applicable Specification Sections: Division 01 – General and Division 09 – Finishes.

1.3 REFERENCES

1. International Building Code (IBC) 2012:
2. Section 1207 – *Sound Transmission*
3. ASTM Tests:
4. E90 – *Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.*

1.4 SUBMITTALS

1. For each product indicated:
2. Product Data Sheet: manufacturer’s specifications including laboratory test summary.
3. Installation Instructions: detailed installation procedure including jobsite condition requirements, surface preparation requirements, and approved products.

1.5 DELIVERY, STORAGE, AND HANDLING

1. All materials shall be delivered in original unopened packaging.
2. AcousticTrac shall be hung within 72 hours to allow the interior of the curtain core to relax and acclimate.
	1. If stored below freezing temperatures, material may require up to 48 hours of acclimation to regain pliability.
	2. Acclimate AcoustiTrac for a minimum of 24 hours at temperatures 60 degrees (F) or greater to reduce material stiffness when handling.

1.6 PROJECT CONDITIONS

1. AcousticTrac is typically installed after buildout is complete.
2. Ensure that all applicable inspections are completed prior to installation of AcousticTrac.

PART 2 – PRODUCTS

2.1 ACOUSTICTRAC BY RESIDENTIAL ACOUSTICS

1. Materials:
2. Flexible interior Mass Loaded Vinyl (MLV) core. Engineered for sound reduction.
3. 100% Duck Cotton Canvas
4. Dimensions:
5. Thickness: 1/8”
6. Weight: 0.5 – 1.0 lb/sf
7. Sizes: 18”H – 130”W; custom sizes available.
8. Tolerances:
	1. Width: +/- 0.5”
	2. Length: +/- 1%
	3. Nominal Thickness: +/- 0.10”
9. Performance:
10. Minimum STC = 21 (MLV 0.5/SF). STC 25 (MLV 1.0/SF)
11. Blackout Curtain, up to 99% light-blocking capability
12. Flammability Rating:
	1. Class A (ASTM E84 Rev. A)
	2. Non-FR Treated unless requested.

PART 3 – EXECUTION

3.1 PREPARATION

A. Commercial grade wall or ceiling-mounted hardware available.

3.2 INSTALLATION

1. Remove curtain from the shipping box, discard plastic sleeve and place on a flat surface to allow for accurate measurements
2. Hold track on the ceiling making sure that it’s centered over the window or sliding glass door. Using a pencil, have your assistant mark the locations for screw holes. When all holes are market, remove track from ceiling
3. With your 5/16” drill bit, drill a pilot hole in the ceiling at each point.
4. Take the white plastic toggles from bag. Pinch two ends of the toggle and feed it through each ceiling hole. Once they are entirely through the hole, the toggles will expand and grip the backside of the drywall or ceiling snugly.
5. Hold track up to ceiling toggles and line up screw holes. Have assistant screw each screw through the track holes to attach the track to ceiling
6. Lay curtain with the underside facing up. Align the magnets around the perimeter. Each magnetic strip will be labeled with an arrow which points to the top of the curtain.
	1. With a split panel, the tie back will be labeled along with the magnetic strip
7. Carefully align each magnetic strip to its corresponding section on the perimeter. Be sure each magnetic section is overlapping correctly.
8. Remove one end cap using a ¼” socket or a pair of pliers.
9. Hold curtain up and have assistant place gliders into track. A stepladder may be needed.
	1. Note: the plastic base of each glider has a closed-off section on one side and an open section on the other. Make sure the open side of the base is facing inward towards the window opening.
	2. With a split-panel AcousticTrac, insert overlap carrier exactly like the gliders into the track, to where it is hidden behind the curtain in the center. This allows for the two panels to overlap and seal effectively.
10. Reattach the removed end cap using ¼” socket
11. When you have hung your curtain, peel off the backing of the magnetic perimeter seal so the adhesive side is exposed. The curtain should be entirely flat when pressed against the wall to prevent ripples in the center.
12. Press curtain and adhesive edges firmly to the wall and let sit for 30 seconds. Apply pressure to the top and sides to make sure the adhesive side of the magnets are attached to the wall surface.
	1. Carefully detach the curtain making sure the backing is attached to the surface.

END OF SECTION