

# ECKEL

NOISE CONTROL TECHNOLOGIES

Meets most industrial noise control applications



- Durable
- Up to 18 dBA noise reduction
- Convenient to install and use
- Efficient and economic
- Wide variety of applications
  - Full or partial machinery enclosures
  - Room partitions
  - HVAC and machinery silencing
  - Acoustical/vibration damping pad for machinery and equipment

The Eckoustic Noise Barrier provides a unique, efficient method for controlling occupational noise . . . protecting personnel working in noisy areas or around noisy machinery or equipment.

**RUGGED** — The Eckoustic Noise Barrier is fabricated from acoustical polyurethane foam fused to a high-strength, high density polyvinyl for optimal acoustic performance and long-life.

**OUTSTANDING NOISE CONTROL** — This Eckoustic sound absorbing-sound attenuating material combination provides excellent noise reduction. Workers can be protected both inside and outside an enclosed area when an Eckoustic Noise Barrier is used.

**EASY TO INSTALL** — The material can be readily mounted on any fixed or movable framework of metal or wood, and used as either a stationary or mobile noise control curtain. For machinery and equipment silencing, the material can be quickly bonded to the radiating surface using a rubber based contact cement.

**VERSATILE** — As a curtain, it provides an ideal full or partial barrier enclosure around noisy machinery, as

# ECKOUSTIC NOISE BARRIER

for

- Noise Reduction Curtain Enclosures
- Machinery & Equipment Noise Dampening

The Flexible, Effective Method  
for Protecting Personnel from Noise . . .  
as required by OSHA

well as an efficient room partition.

For silencing of pipes, ductwork, and machine tools, the material can be conveniently wrapped and bonded to this equipment.

It also can be easily cut to any shape and used as an acoustical pad to block airborne noise transmission through engine housings, fan and blower housings, office equipment, electronic cabinets, etc.

**ECONOMIC** — The Eckoustic Noise Barrier provides a reasonably priced, effective solution to occupational noise problems.



Noise level from machinery is reduced through use of the Eckoustic Noise Barrier.

**ECKEL**  
INDUSTRIES OF CANADA LIMITED

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# ECKOUSTIC<sup>®</sup> NOISE BARRIER

## FIELD RESULTS

In actual field tests "A" scale noise reduction for 5/16" barriers will run 8-12 dBA, for 9/16" material 12-18 dBA. For damping applications 10-15 dBA using 5/16" material. Results will vary depending on specific application conditions.

### LABORATORY TEST PERFORMANCE

FREQUENCY (Hz)	TRANSMISSION LOSS (dB) Type 100 & Type 200	SOUND ABSORPTION	
		Type 100 5/16" thick	Type 200 9/16" thick
250	15	.05	.10
500	20	.10	.28
1,000	26	.22	.50
2,000	32	.48	.85
4,000	36	.85	.95

## SPECIFICATIONS

**Color:** Black vinyl, charcoal foam (standard colour)

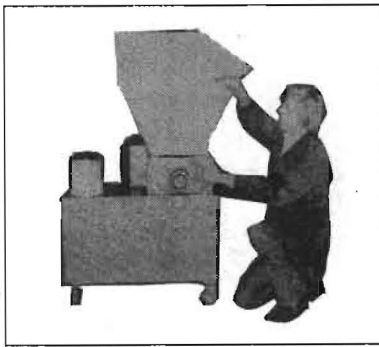
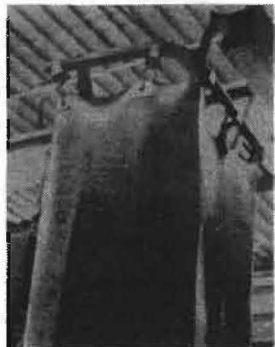
**Weight:** Approximately 1.1 lbs. per square foot.

**Physical:** Self-extinguishing. UL94 - SE2

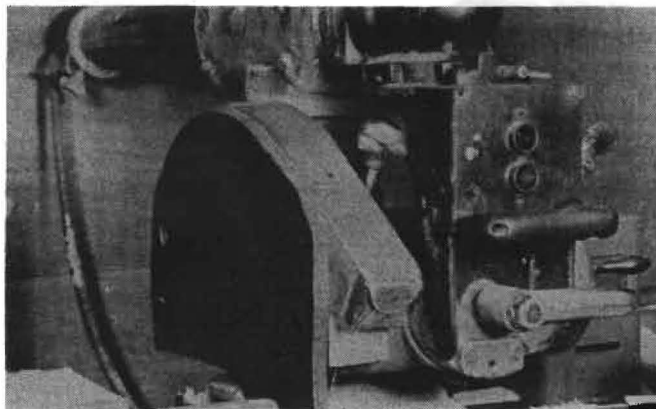
Working temperature range: -20° to +200° Fahrenheit.  
Gasoline, oil and abrasion resistant.

**Thickness:** Type 100: 5/16" for drape enclosures, damping applications.  
Type 200: 9/16" for drape enclosures, lining machine guards & housings.

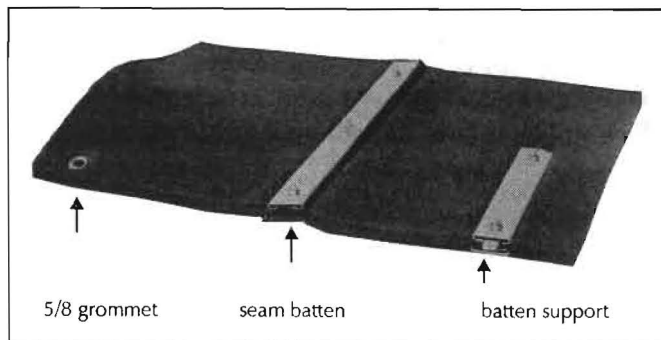
**Sheet Size:** 54" wide by up to 30' 0" long (135 sq.ft.)



Type 200 Eckoustic Noise Barrier suspended from track system (left photo).  
Type 100 applied directly to grinder using contact adhesive (right photo).



Type 200: 9/16" thick, applied to guard on radial saw can reduce noise by 10dBA.



Batten hanger and batten strips for vertical seams (seams may be overlapped). This construction permits enclosure to be made as wide as needed.

## ACCESSORIES

5/8 double talon grommets and grommet tool (for installation by user). Should be installed 6" o.c. Batten support 2" x 10" for applications 12" on center. Clamping seam battens 2" x 96" for closing vertical seams.

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