

Product Description

The **BOX SEAL™** by STC Architectural Products is a preformed acoustical seal for outlet boxes and a UL-certified wall opening protective material. It is molded from specially-compounded neoprene in similar size and configuration as a cover plate for a recessed electrical device. It is a gasket that fills the gaps between the cover plate and the wall surface and between the outlet box and the cover plate. It is held tightly against the wall surface by the cover plate. US Patent is pending for the Box Seal™.

Applications

FIRE PROTECTION: The **BOX SEAL™** should be used for outlets in 1-hour fire-rated partitions to meet the “24-inch rule” (IBC 714.3.2 Exception 1.5). Use in conjunction with a metal wall plate for this application.

NOISE CONTROL: The **BOX SEAL™** should be used wherever acoustical privacy and noise control are valued. It is ideal for new construction as well as renovation.

- Apartment units
- Hotel rooms and bathrooms
- Conference rooms
- Personnel offices
- Consultation rooms
- Medical exam rooms
- Classrooms
- Band Rooms
- Teleconference rooms
- Fabrication areas
- Laboratories
- Mechanical equipment rooms

Specifications

Fire-Protective and Sound-Isolating Gasket for Wall Plates: Manufacturer’s standard molded neoprene, durometer A-40 complying with ASTM D 2000, formed to fit the electrical device and outlet box. Effectively increases the STC of outlet boxes by 7 dB, demonstrated by testing representative assemblies per ASTM E90 (Small Scale Test). Certified and listed by Underwriters Laboratories per UL 1479 for 1-hour applications.



Installation

Verify that the edge of the outlet box does not protrude beyond the face of the wall. Place preformed seal over exposed outlet box flush with wall surface and with device protruding through opening in seal. Secure in place with wall plate fasteners.

Availability

Color: Light Almond

Compatibility: All Box Seals fit NEMA devices and wall plates made by Hubbell, Leviton, Lutron, Mulberry Metal, Pass & Seymour/Legrand; in Standard Size, Mid-Size, and Oversize (Jumbo).

Configurations:

- One-Gang Duplex Receptacle
- One-Gang Toggle Switch
- One-Gang Decora (Rocker Switch, GFCI, Motion Detector)
- One-Gang Single Data/Phone
- One-Gang Double Data/Phone
- Two-Gang Duplex Pair
- Two-Gang Toggle Pair
- Two-Gang Duplex/Toggle
- Two-Gang Decora Pair
- Two-Gang Duplex/Decora

The Box Seal is available directly from the manufacturing partner:

Advanced Rubber Products
Div. of TMP Technologies
6100 Lamb Road
Wyoming, NY 14591

Order Forms are available on the STC website:
<http://stcsoundseal.com> or phone (800) 513-9425.

Product Data and Submittal Sheet

STC Box Seal™

Project Information

Performance & Typical Physical Properties

Nominal Thickness: 1/8-inch

Surface Burning (ASTM E84): Class A

Sound Transmission (ASTM E90): Increases STC of recessed outlets from STC-19 to STC-26.

Fire Protection (UL 1479): Certified and listed as a wall opening protective material by Underwriters Laboratories

The Box Seal™ has been tested in the acoustical laboratories of National Gypsum Company Testing Services, showing an increase for an electrical outlet from STC-19 for a standard duplex receptacle to STC-26 with the Box Seal™.

Consider the typical 9' x 12' office with carpeted floor, acoustical panel ceiling and gypsum board walls, totaling 100 sabins, and having a demising wall of 100 sf with two outlets in it. The effective STC of any partition cannot be better than STC-47 because of the amount of sound passing through the two outlets. With the Box Seal™, effective STC can be as high as STC-53. The Box Seal™ is recommended for any partition of STC-45 or higher to maintain the best overall performance of the acoustical separation.

Maintenance

No maintenance is expected. The STC Box Seal™ may be removed in order to access wiring or finish wall surfaces; reinstall with the wall plate.

Limitations

None.

Safe Handling Information

No special precautions required. Consult the Material Safety Data Sheet (MSDS) for complete information.

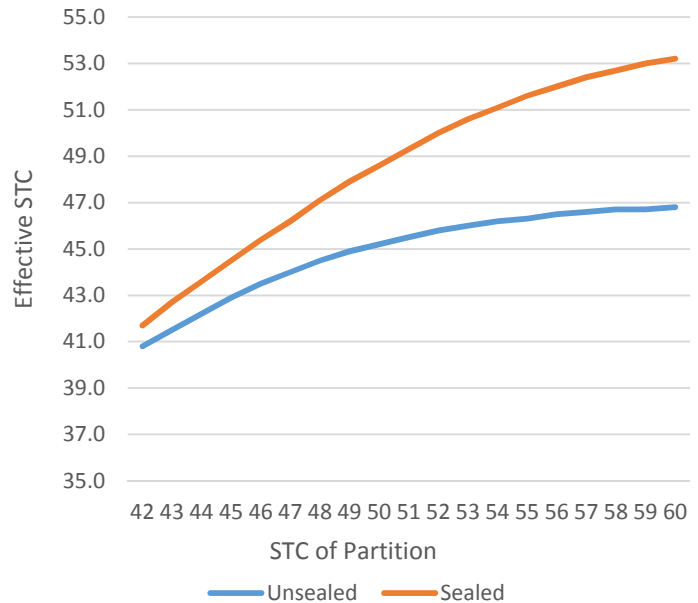
Important Notice to User:

Many factors will determine field results including number and location of outlets in the room separation, presence of other sound flanking paths such as communicating doors and the quantity of sound absorption (sabins). Refer to actual sound test reports and analysis for this and any other noise control product.

Warranty:

STC Architectural Products warrants that the Box Seal will be free from defects in material and manufacture. STC makes no other express or implied warranties.

Effective STC: Office with 2 Outlets



Approval Stamp