

#105 "CUSH 'N' SEAL"®

Four-Fin self-adhesive
Sound and Smoke/Fire Seal

THE INDUSTRY
★ INNOVATOR
★ ORIGINATOR

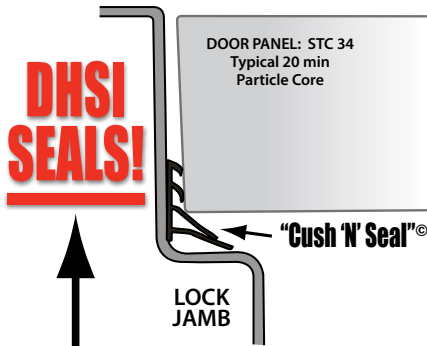
Eliminate owner expense - material and maintenance: +

Occupant comfort and safety:

- Adhesive warranted against failure for 12 years
- Warranted not to interfere with self-close and self-latch

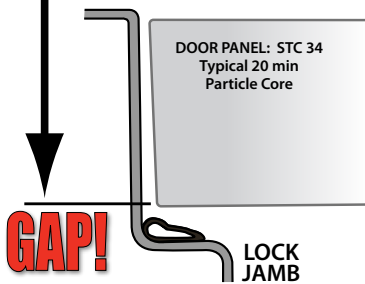
- Warranties ensure sound control is maintained
- Ensures no light, sound and smoke around all 4 sides

"Cush 'N' Seal"® by DHSI
Operating STC 32



TESTED IN THE SAME OPENING:

"Teardrop" by others
Operating STC 24



Teardrop does not work
when tested to 1/4" warp and 1/16" out of plumb.

Highest Field Operable STC Ratings

"Cush 'N' Seal"® Frame Seals

- **#105** Standard 4-fin seal:
Can work with 1/2 the recommended tolerances with no binding. Highest STC results.
- **#105-3HJ** Three-fin option at hinge jamb.
The only seal that does not create bind on full-mortise continuous hinges.
- **#105-3PS "Perimeter Seal"**
3-fin all sides - pairs with continuous hinges
- **#SA-75**
2-fin - consult DHSI engineering applications



#105-3HJ
Custom Profile
at Hinge



**Highest STC
Field Verified**

Meets NFPA 101 Life Safety Inspection and NFPA 80 field code inspection criteria.

Why DHSI "Sealing Systems" Work in the Field:

- Designed and test verified; torque on lever will not increase even with industry allowable standards.: 1/4" warp, 1/16" out of plumb, and torque on the lever under 15 inch/pounds.
- ★ **Warranted:** Inspection code: Shall not allow light (= smoke and sound) to pass the perimeter
- ★ **Warranted:** Fire code: gasketing shall not interfere with closing and latching
- ★ **Warranted:** 12 year adhesive warranty eliminates product replacement
- ★ **Warranted:** Lifetime antimicrobial 99.9% efficacy life of installation

Architects and Field Engineering: see pages 15 and 16 for DHSI exclusive support of the 3 Pillars with:

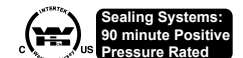
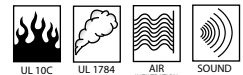
- Illustrated Inspection Programs for Field Quality Control
- Non-proprietary specifications
- AutoCAD Architectural drawings

Part #: "Cush 'N' Seal"® Available in sets of 3, 4, 7 and 8 foot lengths

#105 x opening size (3'-0 x 7'-0, 6'-0 x 8'-0, etc) - with 4 fins on all sides

#105 x 3HJ x opening size - with 3 fins for hinge jamb

#105 x 3PS x opening size - with 3 fins on all sides



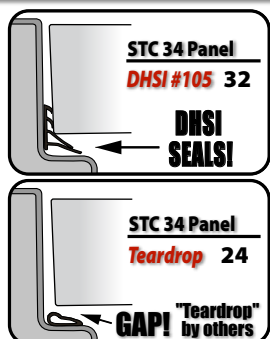
Color Choices: Off-White, Dark Brown and Black

meets UL 1784, UL10C, NFPA 80 and NFPA 101

Patents #8,209,909, #9,388,629, #10,465,439 and Pending

Is Sound A Problem?

DHSI STC Ratings: Which One Would You Choose?



TEST RESULTS

SAME OPENING! Head to Head comparison

TORQUE
force on lever

STC 34 Panel
sound transmission

DHSI #105 System
No Grinding of Strike Needed

13 lbs

32 - sound barely audible

Teardrop by others
After Grinding of Strike to make lever easy to open

35 lbs+
15 lbs+

27 - can hear words
24 - speech recognizable

COMBINE DHSI Patented Frame Seals with DHSI door bottoms for highest STC

DHSI • DOOR AND HARDWARE SYSTEMS, INC.

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