Technical Product Data Sheet

ACS-1

Smoke and Acoustic Perimeter Seal

kuhnsodice

Tech.Rev.: 1.0
Ling. Rev.: 1.0

Product description

Surface mounted smoke and acoustic seal for door frames. When the door closes, three separate air pockets are created for enhanced sealing. Rigid L-shaped PVC backing with self-adhesive tape, flexible rubber fins and additional semi-circular buffer seal protecting the fins from long-term damage. Designed for acoustic and cold smoke sealing in door assemblies.

Properties

- Surface fixed with high-tack self-adhesive tape
- No machining required
- Durable resilient fins and central bulb
- Cold smoke and acoustic seal
- Hard-wearing design providing effective acoustic barrier
- Community Design Registration No. 002969204-0001
- Minimum 34-35dB when used in conjunction with DD420-S or 1703ACU drop seal with standard FD30/FD60 doors
- Successfully tested for cold smoke and acoustic performance
- Co-extruded with rigid PVC mounting elements
- Widths 10mm and 12mm, standard length 2200mm (up to 3000mm on request)
- Available in a range of colours

Testing methods, standards, values

- Acoustic tested to BS EN 10140-1 / -2 (up to 35dB)
- Tested to EN 1634-3 2004 for cold smoke (air leakage)
- Cycling test: 100,000 opening and closing cycles
- Certifire Certificate CF280 (in conjunction with Pyrostrip Twin Fin / Flexifin)

Technical data

Material structure	Elastomer
Composition	Smoke / acoustic profile
Sound insulation properties [dB]	up to 42dB (dependent on door type)
Smoke tightness	Cold smoke seal

Colour variants

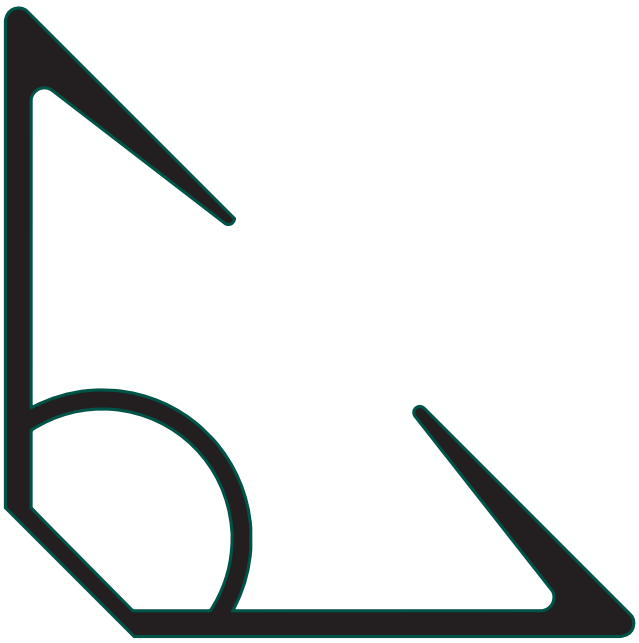
- White
- Brown
- Dark Brown
- Black

Fitting

Surface fixed at the junction of door stop and frame. Remove backing paper from one leg, position and lightly press into place, repeat for second leg, then apply full pressure once aligned.

Delivery forms

Standard lengths [mm]	2200 / 2500 (up to 3000 on request)
Standard widths [mm]	10×10 / 12×12
Optional	rubber "hinge" between two PVC legs



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