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One of the **isomass** systems range

isocheck™

Expandastrip

RAIN, THERMAL / ACOUSTIC, DUST AND AIR SEAL

- New build
- Conversions

TESTED BY NHBC ACOUSTIC SERVICES

Institute of Acoustics sponsoring organisation

MADE IN THE UK

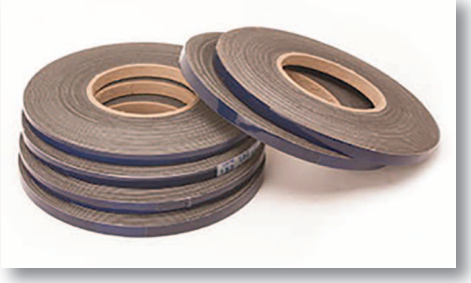
ISO 9001:2008 REGISTERED COMPANY

We take the *mystery* out of Acoustics

DESCRIPTION

- Isocheck expandastrip is an open cell Polyurethane foam, impregnated with chemically stabilised acrylic and backed with a self adhesive scrim tape.
- Expandastrip remains permanently elastic and once unpacked and applied will expand to fill the joint, including any irregularities or imperfections. It's exceptional flexibility and elasticity make it ideal for most unevenly surfaced components and is suitable for use with brickwork, concrete, plastics, steel, timber and fibrous materials.
- Expandastrip is ideal for joints between precast units, sealing around doors and window frames, or between corrugated roofing panels, roof structures and roof lights ventilation and air conditioning ductwork.
- Expandastrip is also used as a primary or secondary seal in vertical and horizontal joints of building facades as well as metal painted cladding systems, window perimeter curtain walling and skylights.

E1 NEWBUILD · E1 CHANGE · N · C



isocheck™
acoustic insulating products

isocheck™ sealant system

Product data

Roll dimensions / thicknesses:	see Performance table below
Foam composition:	Elastic, fine pore soft polyurethane (PUR) foam with modified polyacrylate impregnation
Colour:	Black
Thermal conductivity:	0.060W/mK
Driving rain seal:	> 600 Pa
Water vapour diffusion resistance:	< 100
Guaranteed life:	20 years

Performance

Performance level	PF1	PF2	PF3
Classification	Rain tight	Thermal / Acoustic	Dust / Air baffle
Expansion	Up to 100%	Up to 300%	Up to 600%

Range of joint widths which can be filled using compressed thicknesses are shown below. For example:

- for a 15mm rain tight joint use 3, 5, 6, 8 or 10mm compressed expandastrip
- for a 20mm thermal/acoustic joint use 10 or 16mm compressed expandastrip
- for a 35mm dust/air baffle joint use 6, 8, or 10mm compressed expandastrip

Compressed thickness	Thickness range (mm)	PF1 (mm)	PF2 (mm)	PF3 (mm)	Roll length	Roll width
1.5mm	1.5 - 9	1.5 - 3	3 - 4.5	4.5 - 9	8m	10mm
3mm	3 - 18	3 - 6	6 - 9	9 - 18	6m	10mm
5mm	5 - 30	5 - 9	9 - 15	15 - 30	4m	15mm
6mm	6 - 36	6 - 12	12 - 18	18 - 36	4m	20mm
8mm	8 - 48	8 - 16	16 - 24	24 - 48	4m	20mm
10mm	10 - 60	10 - 20	20 - 30	30 - 60	4m	25mm
16mm	16 - 96	16 - 32	32 - 48	48 - 96	3m	35mm
27mm	27 - 162	27 - 54	54 - 81	81 - 162	2m	60mm

TYPICAL APPLICATIONS

- Acoustic sealing of gaps between floor and wall
- Weatherproof sealing around windows and doors
- Weatherproof sealing of profiled sheeting
- Weatherproof sealing of expansion joints
- Weatherproof sealing of prefabricated sections
- Air / Dust sealing of domestic dwellings

SUPPLY

- Expandastrip is supplied on rolls compressed to one sixth of its original thickness and supplied with a self adhesive coating to one side. At its maximum expansion it will provide a light air baffle, however when limited to 25% expansion of its compressed thickness, expandastrip can provide a weather tight seal against wind and driving rain. Various other situations can be provided for as shown left.

CHARACTERISTICS

- Expandastrip has excellent resistance to UV, mildew, ageing and will not crack, split, bleed or dry throughout continuous movement cycles.
- Expandastrip can be overpainted using any water based acrylic or latex paint.
- As expandastrip is non-migratory is compatible with most caulking materials.
- Because of the permanently flexible seal it is also widely used in the automotive industry to absorb vibration between body shell and dashboard assemblies.
- Expandastrip is manufactured to ISO 9001 and approved to DIN 18542 and DIN 4102.

www.isomass.co.uk
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isomass® building acoustics

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