

Class 1

Soundlag

Product Disclosure Information - Building product information requirements (BPIR)

Version: 2023-NOV

| | |
|----------------------------|--|
| Product name | Soundlag |
| Product line | Acoustic treatment and pipe insulation |
| Product identifiers | 4525C, 4512, Tape ALR |

Product description

Soundlag is a highly flexible composite acoustic pipe lagging product. Installed around pipes to prevent breakout noise as acoustic treatment and pipe insulation.

It's composed of a foil faced mass loaded vinyl and a decoupling layer.

Provided in rolls, it can be cut to the required lengths prior to use.

It can be installed with tape and/or mechanical fixing to enclose a pipe.

Product is embossed with "Soundlag", allowing it to be identified when installed.

Relevant building code clauses

B1 Structure — B1.3.1, B1.3.2, B1.3.3 (j), B1.3.4

B2 Durability – B2.3.1 (b)

C3 Fire affecting areas beyond the fire source— C3.4 (a)

F2 Hazardous building materials — F2.3.1

Contributions to compliance

B2.3.1(b) (i) and (ii) and B2.3.2: Soundlag has a durability of at least 15 years when installed as per the installation guide (IG). Refer to the IG for further information.

C3: Fire affecting areas beyond fire sources - C3.4: Soundlag has a Group Number of 3 determined by ISO 5600 Part 1 and Part 2. Refer to the test report provided by BRANZ testing laboratory available upon request.

F2.3.1: Soundlag is safe when handled. There are no requirements for this product in order to comply with Acceptable Solution F2/AS1, First Edition Amendment 3, 2017.

G6: Soundlag is a non-rigid acoustic insulation that may be required to be applied to services (eg. plumbing) in order that the building element achieves the required performance, referenced in Acceptable Solutions G6/AS1, First Edition Amendment 2, 1995.

Scope of use

Soundlag is manufactured for use on:

- Acoustic treatment and pipe insulation, including within air handling plenums in sleeping uses.
- External surfaces of ducts for HVAC systems.

Conditions of use

Soundlag must be installed as per the Installation Guide (IG).

Supporting documentation

The following additional documentation supports the above statements:

| Title (type) | Version | URL |
|-----------------------------------|---------|---|
| Website | | https://www.pyroteknc.com/products/soundlag/soundlag-4525c/ |
| Technical Datasheet | | https://www.pyroteknc.com/dmsdocument/175/SOUNDLAG-TDS-411IP.pdf |
| Installation Guide (Installation) | | https://www.pyroteknc.com/dmsdocument/202/SOUNDLAG-401-1IG.pdf |

Contact details

| | | |
|---|--|---|
| Manufacturer location | Australia | China |
| Legal and trading name of manufacturer | Pyrotek Pty Ltd. | Pyrotek (ChuZhou) New materials Co., Ltd |
| Manufacturer address for service | 147 - 149 Magowar Road Girraween NSW 2145 Australia | 2880 QingLiu Road Suchu Modern Industrial Park Chuzhou City, Anhui Province 239000 China |
| Manufacturer website | www.pyroteknc.com/ | |
| Legal and trading name of importer | Pyrotek Products Limited | |
| Importer NZBN | 9429039874146 | |
| Importer address for service | 69 Cryers Road, East Tamaki, Auckland 2013, New Zealand | |
| Importer website | www.pyroteknc.com/ | |
| Importer email | nzsales@pyrotek.com | |
| Importer phone number | +64 0 9 272 2056 | |

Warnings and bans

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?

No

Appendix

Product Category: Internal linings, acoustic treatment and pipe insulation

| | Yes | No |
|--|-----|----|
| Use to provide structural bracing | | x |
| Use in wet areas | | x |
| Use in food preparation areas | | x |
| Part of an intertenancy / abutting occupancy wall system | | x |
| Use in areas with surface fire obligations | x | |
| Part of a fire protected boundary or fire wall | | x |
| Use in areas with near to sources of heat | | x |

Building code performance clauses

All relevant building code performance clauses listed in this document:

B1 Structure

B1.3.1

Buildings, building elements and *sitework* shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during *construction* or *alteration* and throughout their lives.

B1.3.2

Buildings, building elements and *sitework* shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during *construction* or *alteration* when the *building* is in use.

B1.3.3

Account shall be taken of all physical conditions likely to affect the stability of *buildings, building elements* and *sitework*, including:

(j) impact

B1.3.4

Due allowances shall be made for:

- a. the consequences of failure,
- b. the intended use of the *building*,
- c. effects of uncertainties resulting from *construction* activities, or the sequence in which *construction* activities occur,
- d. variation in the properties of materials and the characteristics of the site, and
- e. accuracy limitations inherent in the methods used to predict the stability of *buildings*

B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the *specified intended life* of the *building*, if stated, or:

a. the life of the building, being not less than 50 years, if:

- (i) those *building elements* (including floors, walls, and fixings) provide structural stability to the *building*, or
- (ii) those *building elements* are difficult to access or replace, or
- (iii) failure of those *building elements* to comply with the *building code* would go undetected during both normal use and

maintenance of the *building*.

b. 15 years if:

- (i) those *building elements* (including the *building* envelope, exposed plumbing in the subfloor space, and in-built chimneys and flues) are moderately difficult to access or replace, or
- (ii) failure of those *building elements* to comply with the *building code* would go undetected during normal use of the *building*, but would be easily detected during normal maintenance.

c. 5 years if:

- (i) the *building elements* (including services, linings, renewable protective coatings, and *fixtures*) are easy to access and replace, and
- (ii) failure of those *building elements* to comply with the *building code* would be easily detected during normal use of the *building*

C3 Fire affecting areas beyond the fire source

C3.4 Surface Linings

(a) materials used as internal surface linings in the following areas of *buildings* must meet the performance criteria specified below:

| Area of <i>building</i> | Performance determined under conditions described in ISO 9705: 1993 | |
|---|--|--|
| | <i>Buildings not protected with an automatic fire sprinkler system</i> | <i>Buildings protected with an automatic fire[glossary] sprinkler system</i> |
| Wall/ceiling materials in sleeping areas where care or detention is provided | Material Group Number 1-S | Material Group Number 1 or 2 |
| Wall/ceiling materials in exitways | Material Group Number 1-S | Material Group Number 1 or 2 |
| Wall/ceiling materials in all occupied spaces in importance level 4 <i>buildings</i> | Material Group Number 1-S | Material Group Number 1 or 2 |
| Internal surfaces of ducts for <i>HVAC systems</i> | Material Group Number 1-S | Material Group Number 1 or 2 |
| Ceiling materials in crowd and sleeping uses except <i>household units</i> and where care or detention is provided | Material Group Number 1-S or 2-S | Material Group Number 1 or 2 |
| Wall materials in crowd and sleeping uses except <i>household units</i> and where care or detention is provided. | Material Group Number 1-S or 2-S | Material Group Number 1, 2, or 3 |
| Wall/ceiling materials in occupied spaces in all other locations in <i>buildings</i> , including <i>household units</i> | Material Group Number 1, 2, or 3 | Material Group Number 1, 2, or 3 |
| External surfaces of ducts for <i>HVAC systems</i> | Material Group Number 1, 2, or 3 | Material Group Number 1, 2, or 3 |
| Acoustic treatment and pipe insulation within air handling plenums in sleeping uses | Material Group Number 1, 2, or 3 | Material Group Number 1, 2, or 3 |

F2 Hazardous building materials

F2.3.1

The quantities of gas, liquid, radiation or solid particles emitted by materials used in the *construction of buildings*, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.