

## Acoustic Seal - R9927

**Rw30dB**

NOISE REDUCTION INDEX

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**Product Reference:**

R9927 Acoustic Bubble Seal

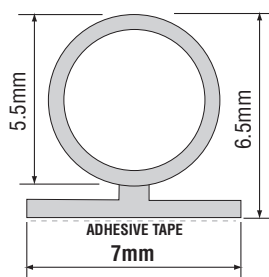
**For use on:**

Pedestrian Doorset Assemblies

**Noise Reduction Index:**

Rw30dB

**Product Dimensions**



**Technical Support and Guidance**

Should you require any further information please contact Reddiplex Limited or visit our website, [www.reddiplex.com](http://www.reddiplex.com).

Due to our policy of continuous improvement Reddiplex reserves the right to amend specifications without prior notice.

**R9927 Bubble Seal**

The Reddiplex R9927 Bubble Seal has been specifically designed to provide an effective barrier to seal perimeter gaps in pedestrian doorset assemblies.

The fitting of R9927 seal will help improve the effectiveness of the doorset assembly, in terms of noise permeation, smoke and air movement through the perimeter gap.

**Applications**

- Pedestrian doorsets, single and double leaf configurations
- Surface mounted substrates: timber, steel, composite materials
- Latched and unlatched door
- New build or retro-fit applications

**Product Features**

- Excellent deflection recovery under constant load
- Low closing force
- High performance over a wide temperature range
- Supplied with a high performance adhesive
- Supplied in resealable plastic containers for ease of use

**Testing Information**

- Acoustic tested in accordance with BS EN ISO 140-3:1995 achieving Rw30dB classification. Taylor Woodrow Report No. 9285 applies.

**Quality Approval**

Reddiplex Limited has a Quality Management System that meets the requirements of BS EN ISO 9001:2000, and is independently verified by BSI Quality Assurance under Certificate Number FM10371.

**Installation**

To achieve excellent adhesion seals must be applied to clean, dry surfaces at temperatures between +5°C and +35°C.

**Packaging**

Supplied in a re-sealable container:

8 lengths x 2.1m

Larger volume pack available on request.

**Colours Available**



**Regulatory Requirements**



Within the United Kingdom there is a regulatory requirement Approved Document E for sound insulation in dwelling-houses, flats and for residential use and schools.

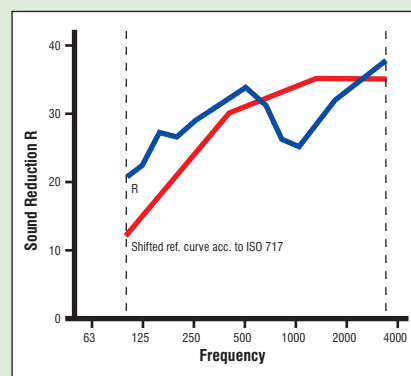
These requirements not only cover party walls, but also internal walls and floors, and common areas within flats and rooms for residential uses. Rooms for residential use include hostels, hotels, boarding houses, halls of residence and residential homes.

In some cases doors may need to be smoke control doors, as per the requirements given in Approved Document B, whilst the seals do not function or replace the intumescent function the seals will significantly improve the sealing characteristics of the doorset assembly.

**Acoustic Performance**

Testing undertaken in accordance with BS EN ISO 140-3:1995 revealed a timber doorset assembly with no seals fitted around the perimeter of the doorset achieved a Rw23dB rating. This falls well below the minimum specified in Approved Document E which is Rw29dB. When tested again, with R9927 single combinations & multiple seal types increased the performance to Rw30dB.

Taylor Woodrow Test No. 9285.



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Professionals in Profile Extrusion

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### Handling and Storage

Handling: No special requirements. Keep away from food and drink.

Storage: Store in a cool dry place (not above 35°C). Keep out of reach of children. Take care for sufficient ventilation.

### Transportation

No regulations apply for the transport of this material. Not classified as hazardous for road, rail, sea or air transport.

### Possible Hazards

Principle hazards: Not subject to decree of hazardous substances.

Critical hazard to man and environment: Not applicable.

### Accidental Release Measures

Personal precaution: In the event of fire ensure sufficient ventilation.

Environmental precaution: Do not discharge the product into drains or water courses, ensure materials are disposed of in accordance with Local Authority regulations and/or Government legislation.

Methods for cleaning up: No special measures necessary.

### Exposure controls and personal protection

Respiratory protection: None normally required, when supplied in solid form.

Hand protection: Appropriate protective gloves

Eye protection: Appropriate protective goggles.

Skin protection: None normally required

### Toxicological Information

Halogen free material with low smoke generation.

### Ecological Information

General advice: Observe the legal provisions regarding the prevention of ground water and surface water as well as air.

### Disposal Considerations

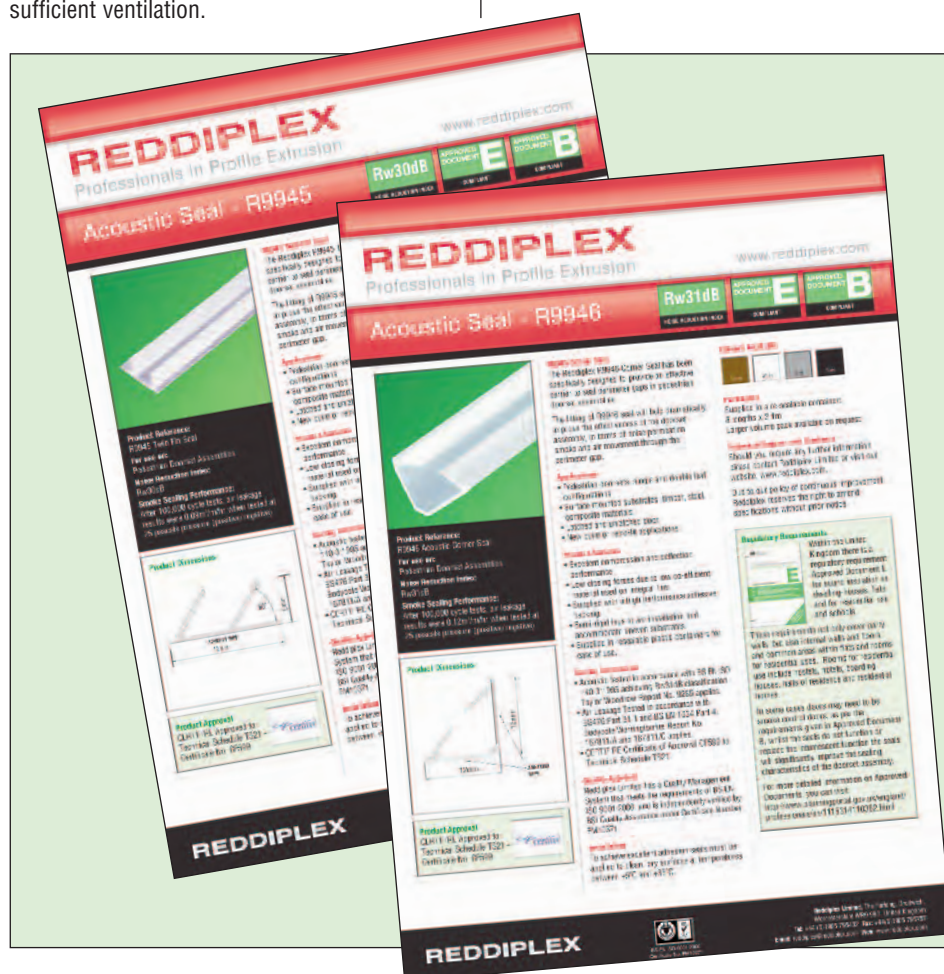
Recommendations: Disposal by means in accordance with local regulations e.g. suitable deposition.

### Regulatory Information

National legislation/regulations: Not applicable. VbF Classifications: None. Water Hazard Class: Not Applicable.

### Other Information

The information contained herein is based upon the present state of our knowledge. Recipients of our Reddiplex products must take responsibility for observing existing laws and regulations.



Reddiplex acoustic seals are suitable for most types of timber doorsets. Designed for use on internal doors such as those used in classrooms, hotel bedrooms, offices and apartments where they will help to dramatically reduce the level of airborne noise.

Reddiplex manufacture a range of acoustic seals that have been extensively tested to provide an excellent resistance to sound and will significantly increase the acoustic performance of the door assembly.

Reddiplex acoustic seals have undergone an extensive testing programme at Taylor Woodrow Technology, a UKAS approved testing facility.

Some Reddiplex acoustic seals are also suitable for use on fire rated doors and will additionally provide protection against smoke and air movement through the perimeter gap.

For more information, please contact Reddiplex Limited.

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REDDIPLEX



BS EN ISO 9001:2000  
Certificate No. FM10371

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