

## Monarfloor® Bridgestop® System

**Acoustic isolation system for party walls on raft foundations or a continual slab.**

Monarfloor® Bridgestop® isolates both masonry leaves from each other, preventing an acoustic bridge should mortar collect at the cavity base. Monarfloor® Bridgestop® also isolates the party wall from the concrete sub-floor, reducing acoustic flanking and improving damping.

Where used with a methane or radon barrier, Monarfloor® Bridgestop® will ensure the integrity of the barrier from possible damage from mortar droppings.

### Features and Benefits

- Isolates the two leaves of a cavity party wall preventing an acoustic bridge.
- Isolates party walls from flanking sound transmission.
- Superior acoustic isolation and damping performance.
- Can be used as an isolator for steel where a party or flanking wall is to be built off it.
- Prevents damage to methane and radon barriers.
- Permits the use of a continual slab between dwellings.
- Facilitates easy detailing for steps and staggers.
- Demonstrates a significant cost saving and flexibility in the design and build of the development.
- Surpasses performance requirements of Approved Document E of the Building Regulations.
- Specified within Robust Details Appendix A2 (as of August 2008).
- The system can be used as part of a number of Robust Detail walls without affecting the credits already available (Appendix A2).
- Specified within Robust Details E-WM-19 as a proprietary wall for attached houses. Provides 4 credits for the Code for Sustainable Homes.

### System Kit

Monarfloor® Bridgestop® System Kit comprising 1 roll of Bridgestop® High Performance Membrane (3mm x 500mm x 8000mm), 2 rolls of Bridgestop® Quilt (10mm x 300mm x 8000mm) and 40 Bridgestop® Ties.

*(Flanking Band required as separate order)*

### Product Data

<b>Composition</b>	Bridgestop® Quilt – reconstituted polyetherpolyurethane Bridgestop® High Performance Acoustic Membrane
<b>Thickness</b>	Bridgestop® Quilt – 10mm Bridgestop® High Performance Acoustic Membrane – 3mm
<b>Weight/Kit</b>	19.7kg
<b>DnT,w</b>	64dB
<b>DnT,w + Ctr</b>	56dB
Typical values based on 100mm cavity	



**Bridgestop® Ties** – hold the Bridgestop® Quilt in place inside the cavity wall.



**robustdetails**  
Appendix A2 & E-WM-19

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### Installation

See over for details.

High Performance Acoustic Systems for New Build, Conversion and Refurbishment.



## Monarfloor® Bridgestop® System

### Installation at a glance

- Ensure the sub-floor is suitably prepared.
  - Roll out a continuous layer of Bridgestop® High Performance Membrane over the suitably prepared sub-floor, making sure it is centred within the line of the wall.
- For jointing and detailing with any gas barrier please contact Monarfloor® Technical Services.*
- Build, full length, both party wall leaves up to one block course high.
  - Bed the first Bridgestop® Tie in position within the mortar bed, close to start of the wall.
  - Continue bedding the Ties in at approx every 450mm centres.
  - Roll out the first layer of Bridgestop® Quilt in the cavity between the two wall leaves ensuring that the bottom edge of the Quilt returns across the cavity and that the top edge of the Quilt covers the first block joint.
  - Fix the Quilt in position by pushing it onto the ties, ensuring it penetrates the Quilt.
  - Build the second course and install the second layer of Bridgestop® Ties and Bridgestop® Quilt by repeating the above process.
  - Lock the Ties in position by pushing the Tie Locking Caps over the open ends, cut excess Tie flush with the Locking Cap.
  - Once Quilt is fully installed complete the build of the party wall.

*For full details including advice on services and penetrations refer to our Bridgestop® Installation Sheet or visit our website: [www.monarfloor.co.uk](http://www.monarfloor.co.uk)*

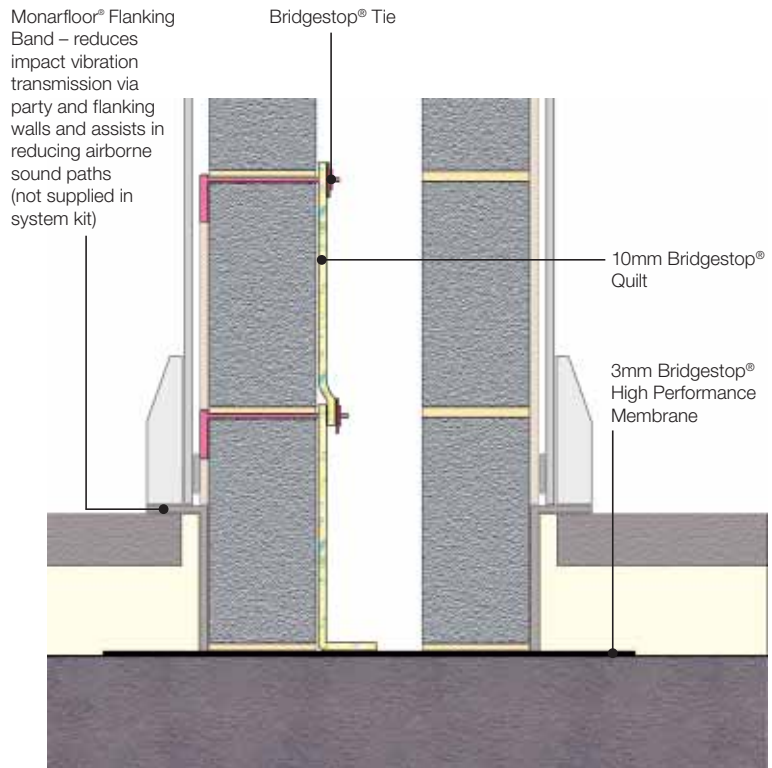
### Technical Support

Monarfloor® Acoustic Systems offers FREE technical advice and assistance on all aspects of acoustic systems.

We can also undertake site visits to provide contractors with advice and assistance at every stage of a project from concept to completion.

#### Icopal Limited

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**Bridgestop® System – Raft Foundation** (other applications are acceptable, please contact Monarfloor® Technical Services).

### Related Products

- **Monarfloor® Flanking Band** – reduces impact vibration transmission via party and flanking walls and assists in reducing airborne sound paths (required as a separate order).
- **Monarfloor® Wall Cap 400 System** – acoustic isolation system for separating party cavity walls within multi-rise developments.
- **Monarfloor® Wall Cap 200 System** – acoustic isolation system for separating flanking walls within multi-rise developments.
- **Monarfloor® Tranquilt® System** – lightweight acoustic isolation system for floating screeds.
- **Monarfloor® Acoustic Adhesive**

*For full details refer to individual Monarfloor® Product Data Sheets.*

NOTE: This information is given in good faith being based on the latest knowledge known to Monarfloor® Acoustic Systems. Whilst every effort has been made to ensure the contents of the publication are current while going to press, customers are advised that products, techniques and Codes of Practice are under constant review and liable to change without notice. Up to date information is available from our Technical Services Department on request.

Responsibility cannot be accepted for the application of products, and no claims can be considered, where the manufacturer's instructions have not been followed. The user should not assume, based on information provided in this sheet, that the product is suitable for any abnormal use.

All products are sold subject to our standard terms and conditions of sale, a copy of which is available on request.