



Radflex S150 System Technical Datasheet

The Radflex® S150 System is a surface-mounted mechanical expansion joint designed specifically for concrete decks. It provides an effective waterproof seal and facilitates fast project completion with minimal preparation and concrete installation work. The system is suitable for various applications, including multi-storey car parks, service roads, and ramps, and can be used for both new work and refurbishment projects. It is particularly well-suited for use with waterproof traffic deck coating systems.

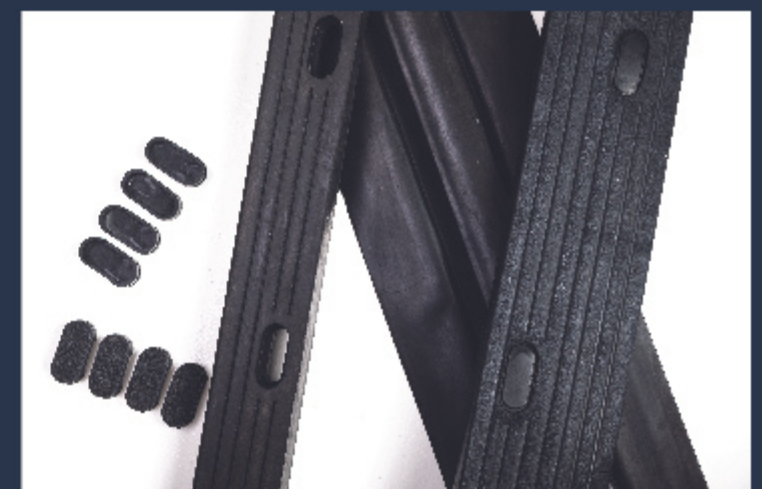


Key Features and Benefits

1. **Waterproof Seal:** The system utilizes a suitable waterproof membrane that is bonded to the concrete, providing a continuous watertight finish throughout the structure.
2. **Traffic Calming Ramp:** The latest generation Radflex® S150 system also functions as a traffic calming ramp, enhancing safety in various locations.
3. **Durable and Weather-resistant:** The system's EPDM rubber extrusion and nosings are specially formulated to have exceptional weathering properties and good flexibility over a wide temperature range.
4. **Easy Installation:** The system requires minimal concrete preparation and can be installed quickly, reducing project timelines.
5. **Proven Performance:** Radflex® systems have been installed in various traffic conditions and climates, with reference installations available to confirm satisfaction and performance.
6. **Design Services:** Our Technical Department offers advice and design services to ensure the most appropriate Radflex® System is selected and installed for specific sites.

System Components

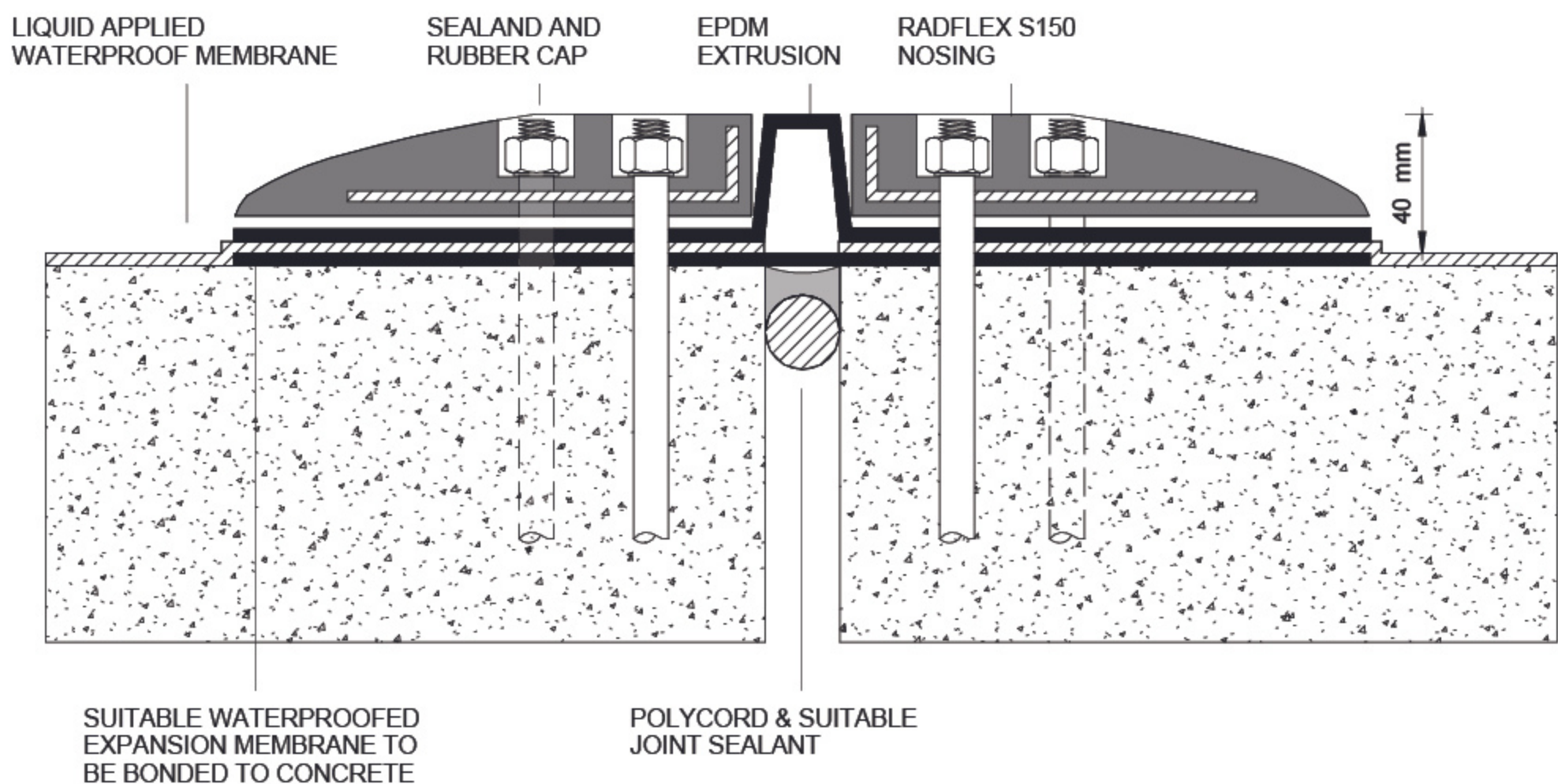
- Suitable polyurethane joint sealant including backing cord
- Polymer modified mortar haunches
- Suitable waterproofing expansion product
- Chemical anchors
- EPDM extrusion
- Radflex® S150 EPDM nosings (1.5 m lengths)
- Sealants
- Bolt hole caps



call: +27 (0) 871634573

whatsapp: +27 (0) 82 447 6736

www.radflex.co.za



Installation Requirements

Concrete Surfaces:

The concrete surface must be float finished and abraded to remove laitance, providing a good bonding surface. Unsuitable or unsound concrete should be repaired with a polymer-modified mortar according to manufacturer's instructions.

Shoulder Preparation:

The concrete shoulders across the expansion gap must be smooth and level.

Surface Compatibility

The system is not recommended for use on lightweight or sand and cement screed surfaces.

Materials Performance

The Radflex® S150 System utilizes non-degradable components that are unaffected by UV light, ozone, and water or water vapor. The waterproof membrane is completely protected by the extrusion, ensuring a long-lasting and effective surface expansion joint. The materials used in the system are robust and meet the high performance standards of the modern construction industry.

Technical Specification

- Radflex® S150 movement joint nosings, extrusion, polymer modified haunches: 148mm wide x 35mm
- Fixings and sealants: Supplied and installed by Radflex®

Note

Radflex® is a registered trademark.

This datasheet has been prepared with utmost care, and to the best of our knowledge, it is true and accurate. However, the specification may be subject to updates as part of our continuous improvement efforts.

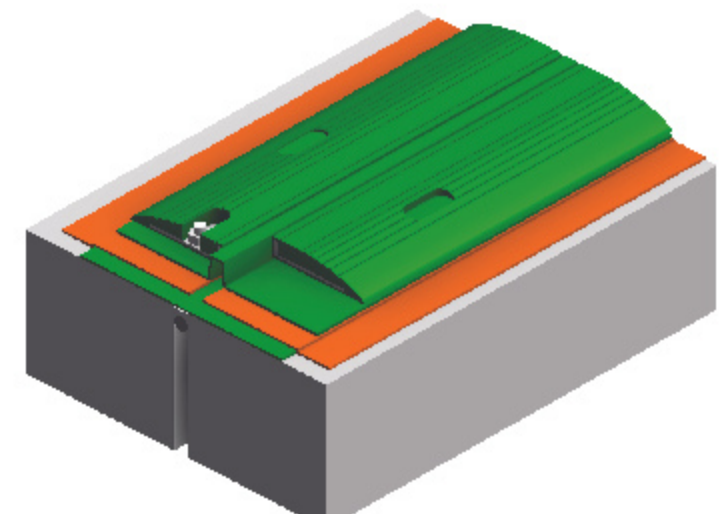
For more information and specific technical details, please contact Radflex's Technical Department.

Health and Safety

The installation and use of the Radflex® S150 System do not pose significant "health and safety at work" hazards, provided that manufacturer's instructions are followed regarding adhesives, sealants, and chemical fixings.

Radflex Design Services

Technical advice and design services are available from Radflex's Technical Department. They can review specific application requirements and ensure the installation of the most suitable Radflex system for each site and application.



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Radflex®