



Radflex S200 System Technical Datasheet

The Radflex® S200 System is a highly versatile mechanical expansion joint designed to accommodate a wide range of traffic conditions in applications such as multi-storey car parks, shopping centers, loading bays, and bridges.

This system offers a durable and effective solution for both new construction and refurbishment projects, seamlessly integrating into existing finishes.

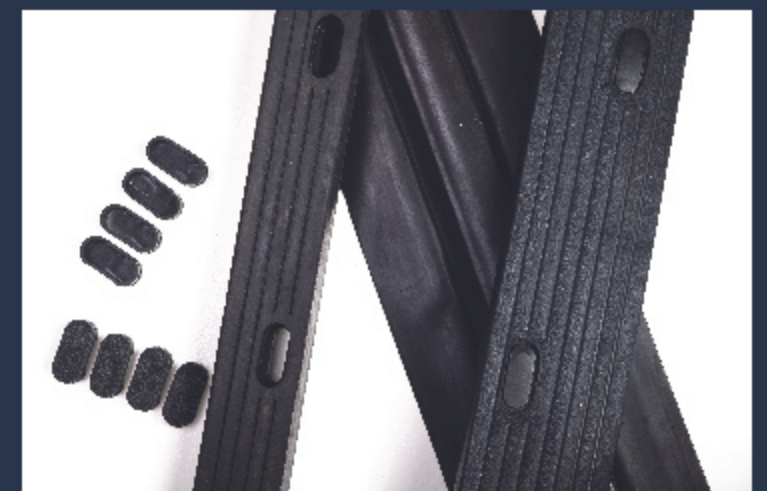


Key Features and Benefits

1. Versatile: Suitable for various applications and traffic conditions.
2. Waterproofing: Features a bonded waterproof membrane that ensures a continuous watertight finish.
3. Protection: Rubber extrusion and metal-reinforced rubber nosings protect the membrane and surrounding finishes from vehicular loads.
4. Excellent Weathering Properties: Specially formulated EPDM rubber compound provides exceptional weather resistance and flexibility over a wide temperature range.
5. Customizable: Custom-designed extrusions available to accommodate specific movement requirements.
6. Steel Reinforcement: Steel-reinforced EPDM nosings offer added strength and durability.
7. Wide Range of Movement: Accommodates gaps of up to 50mm at mid temperature with rotational, vertical, and lateral movement flexibility.
8. Non-Degradable Materials: Components are unaffected by UV light, ozone, and impervious to water or water vapor.
9. Long-lasting Performance: Ensures a durable and effective flush surface expansion joint.
10. Easy Installation: Straightforward installation process with no significant health and safety hazards.

System Components

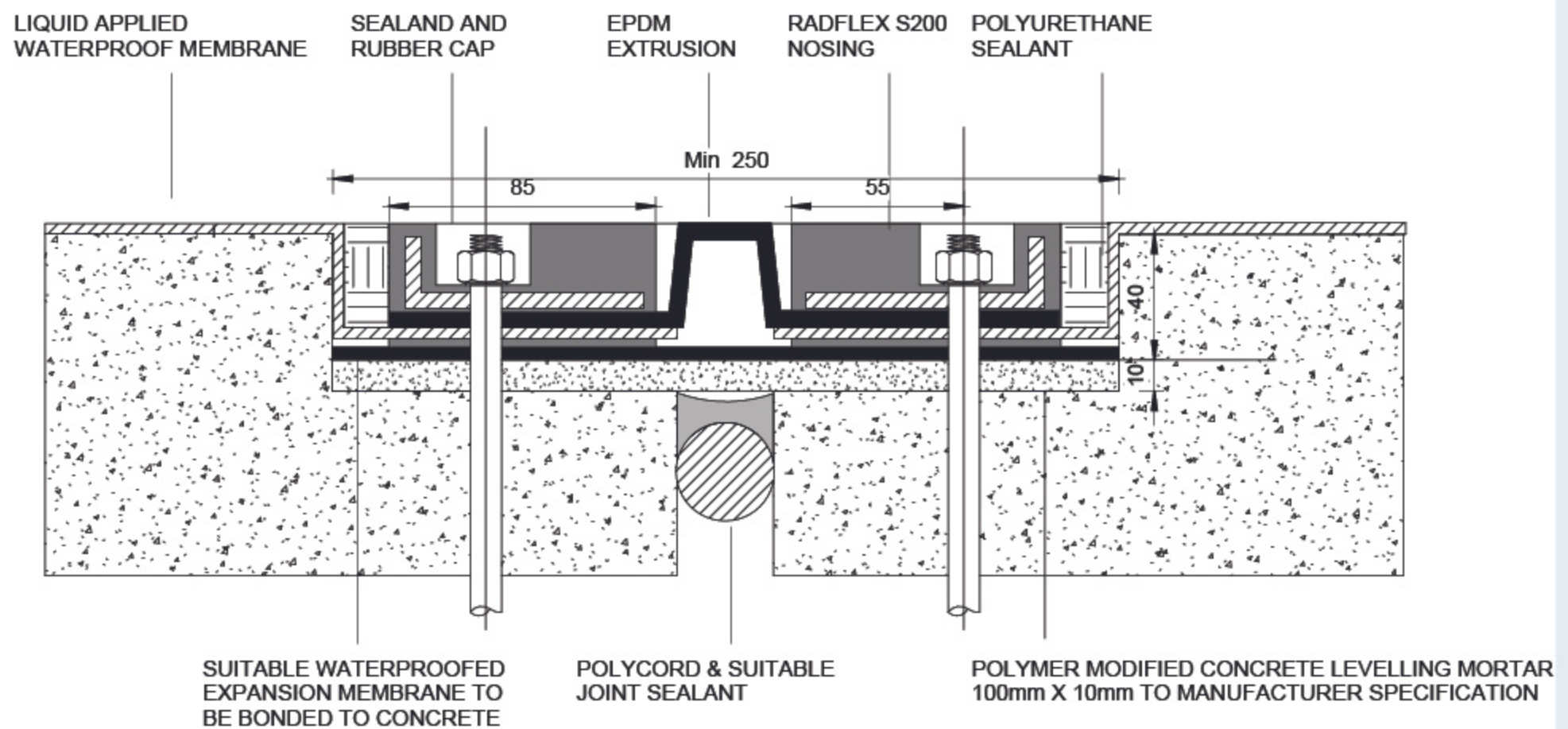
- Polyurethane Joint sealer and polyc ord
- Polymer-modified mortar haunches
- Chemical anchors
- EPDM extrusion
- S200 EPDM nosings (1.5m lengths)
- Sealants
- Bolt hole caps



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Installation Requirements

Concrete Surfaces:

- Must be float finished and abraded to remove laitance for a good bonding substrate.
- Unsound concrete should be repaired with polymer-modified mortar.
- Concrete shoulders across the expansion gap should be smooth and level.
- Not recommended for lightweight or sand and cement screed surfaces.

Mastic Asphalt Surfaces:

- Surfaces to be bonded with the Radflex membrane should be well sand-rubbed to remove nibs and excess bitumen fat.
- Surface should be ironed smooth and level across the joint.

Technical Specification

- Product: Radflex® S200 Movement Joint
- Components: Radflex membrane, nosings, extrusion, polymer-modified mortar haunches (dimensions: __mm x __mm deep), adhesives, fixings, and sealants.
- Supplier and Installer: 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.

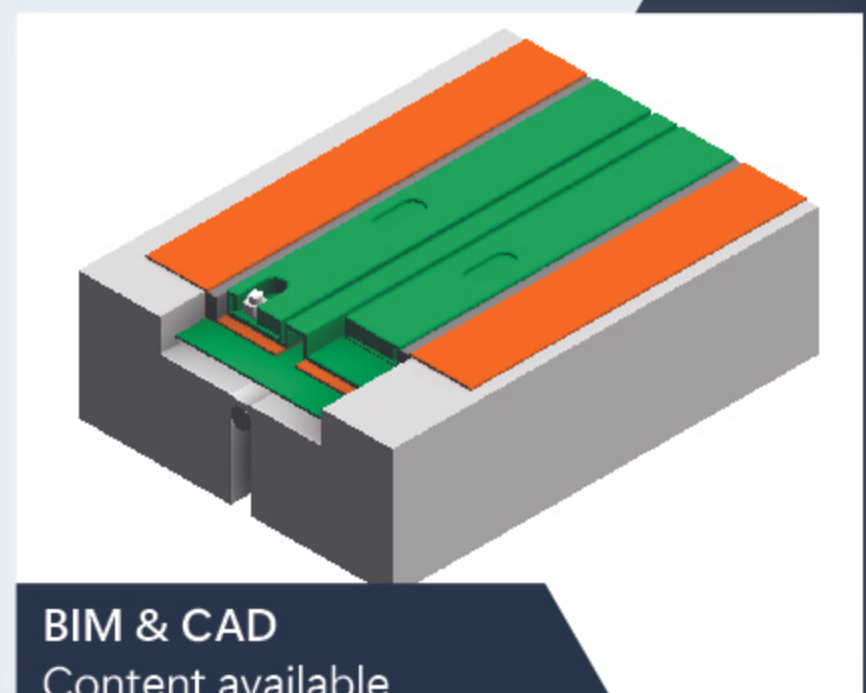
For more information and specific technical details, please contact Radflex's Technical Department.

Reference Installations

The Radflex® S200 System has been successfully installed in various traffic conditions and climates. References can be provided to confirm installation satisfaction and system performance.

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. The Radflex® S200 System can be adapted to most types of construction, including columns, walls, kerbs, and corners.



Radflex®