

## **Resilient 250 (RS250)**

### **INSTALLATION INSTRUCTIONS**

#### **Acoustic Resilient Layer for Base Floors (bonded to the Subfloor)**

##### **Acoustic cushion underlay for use with a wide range of floor coverings**

Domestic and commercial use, suitable for heavy foot traffic  
Manufactured using Sponge Rubber. Backed by a 10 Year Guarantee  
Roll Size: 2.5mm – 1.37m x 7.30m (10.0m<sup>2</sup> / roll) / 54in x 23.95ft (107.6ft<sup>2</sup> / roll)

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1. Before commencing with the installation, take time to familiarise yourself with the products and installation instructions. To complete the installation, you will need the following items:
  - RS250 Roll
  - Sonixx SX900 Flooring Adhesive (15kg Bucket)
  - A “V” notched trowel of dimension 2mm x 6mm or as CFA guidelines
  - Roller
  - Tape Measure
  - Sharp Utility / Stanley Knife
  - Straight Edge
2. Suitable porous subfloors on which RS250 can be installed include: concrete, sand/cement screed, proprietary screed, screed panels, proprietary good quality self-smoothing underlayments, flooring grade hardwood, plywood and chipboard. Concrete, sand/cement screeds, proprietary screeds and self-smoothing underlayments must be fully cured. Asphalt and surface membranes should be treated with at least a 3mm coating of smoothing compound before applying adhesive.
3. Prior to installing RS250, the subfloor must be sufficiently level (for imperfections not to protrude through RS250), firm, clean, free of loose material, mould, oil, grease, organic growth and surface moisture.
4. Uneven, dusty or friable surfaces should be treated with a universal subfloor primer and a suitable smoothing compound.
5. It is essential that a suitable waterproof membrane be in place to suppress rising damp.
6. Underfloor heating should be turned off for at least 48 hours prior to and after the installation.
7. Particular attention must be paid to the floor covering manufacturer’s instructions, i.e. any pre-storage conditioning prior to fitting.

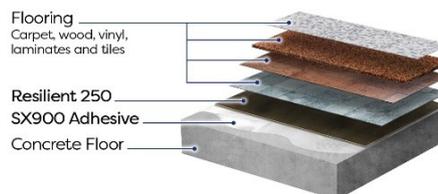
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#### Resilient 250 as a Soft Floor Covering



#### INSTALLATION OF RS250

8. Roll out and position the RS250 (in the longest lengths possible), with the black rubber surface facing upwards, in rows next to one another (do not overlap the RS250).
9. Cover the floor area to be fitted with RS250, leaving a small expansion gap (2mm) between the RS250 and the perimeter walls (or skirting board). Joins must be closely butted together (to ensure that there are no gaps in the RS250).
10. Fold back half the RS250 and, using SX900, spread the adhesive on the subfloor using a “V” notched trowel or suitable roller. SX900 is a ready to use versatile product and should not be diluted or altered in any way.
11. Apply the SX900 adhesive evenly to the substrate (approximately 2-3m<sup>2</sup> per kg) and lay the RS250 while still wet. It is best to allow freshly applied adhesive to stand for 30 to 40 minutes, depending upon ambient conditions and surface absorbency, to build tack before laying the RS250.
12. Fold back the other half of the RS250 and repeat steps 10 and 11 above.

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13. Smooth out and press the RS250 firmly into place. Roll using a 60/70kg roller or a glider to ensure full adhesion and to remove any air bubbles. It is recommended that this step is repeated approximately 1 hour after application.
14. RS250 must not be mechanically fixed to the base floor.
15. Once the installation of RS250 is complete, any floor covering should not be installed for at least 24 hours.

#### **FLOOR COVERINGS**

All floor coverings must be installed in accordance with the manufacturer's recommended instructions. Always follow the manufacturer's conditioning recommendations carefully (conditioning should never be less than 48 hours).

#### **CARPET**

16. Carpet can either be installed via stretch fitting (carpet gripper can be fixed through RS250 at the perimeters) or by bonding to RS250 with a suitable adhesive.

#### **CARPET TILES**

17. When setting out the carpet tiles, ensure that all edges are staggered between the RS250 and the tile. Follow the manufacturer's instructions for the carpet tile orientation and design. It is not necessary to leave an expansion gap between the skirting board and the carpet tile at the perimeter of the room.

#### **WOOD / LAMINATES**

18. The wood floor must always be allowed to condition in the room where the installation will take place, prior to the installation. It is the installer's responsibility to ensure that all internal site conditions are stable and suitable for the installation.

Room temperature of between 18°C - 22°C (65°F - 73°F) and Relative Humidity (RH) of between 45% - 65% must be maintained at all times. Failure to maintain these conditions could cause ongoing behavioural problems with the wood flooring product.

19. Where possible, the wood flooring should be laid at a 90-degree angle to the RS250.

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20. Allow a suitable expansion joint (in accordance with the manufacturer's recommendations) around the perimeter of the room, ensuring that the wood floor is not in contact with the skirting board.
21. Wooden floors should not be mechanically fixed to RS250. If gluing, ensure that a suitable adhesive is used in accordance with the manufacturer's recommendations.

#### **CERAMIC / PORCELAIN / NATURAL STONE TILES**

22. In advance of any installation, take time to review the installation instructions from the tile manufacturer.
23. Where possible, tiles should be installed from the centre of the floor outwards, ensuring that cuts are positioned towards the perimeter of the room.
24. An approved pre-mixed flexible grout must be used to neatly finish off the installation.
25. Ensure that a minimum expansion gap of 3mm is maintained around the perimeter edges. The perimeter gap should be neatly filled with a flexible sealant.

#### **VINYL & SPC TILES / PLANKS**

26. When installing vinyl flooring, it is essential that the RS250 surface is as smooth as possible, in order to minimise any irregularities and imperfections from telegraphing through the finished floor.
27. Ensure that the recommended adhesive is used to adequately secure the floor covering.

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**Please note:**

- ✓ When using Sonixx acoustic underlays in a situation where there could be heavy point loads, caution should be exercised. In such cases please refer to the Interfloor Technical Department.
- ✓ For any situation where a castor wheel chair may be used, a floor protection mat should always be used. This prevents any possible damage by the castor wheels rolling over the installed flooring.
- ✓ When installing larger areas (100m<sup>2</sup> + / 1076.4ft<sup>2</sup> +), the minimum expansion gap between the wall and the flooring (including the Sonixx acoustic underlay) around the entire perimeter of the room should be increased to a minimum of 10mm. The expansion gap can neatly be finished with a suitable trim, or left free below the skirting/base boards.
- ✓ In installations where underfloor heating is present, always allow the room temperature and the underfloor heating to stabilise at 22°C (71.6°F) for at least 48 hours before commencing the installation and for 48 hours after the installation has been completed. The underfloor heating temperature should then be brought slowly back to the normal operating temperature in small increments over a period of 7 days. A maximum temperature of 27°C (80.6°F) should never be exceeded.
- ✓ Due to the nature of vinyl tiles / planks expanding and contracting in direct relationship to temperature changes, in locations where there are sudden and dramatic temperature fluctuations, please refer to the Interfloor technical department for advice before the installation commences.