

Product Review

Rubber Flooring

06/24

pg 1/5



Product Review



Rubber Flooring

06/24

pg 2/5

Product class

Class 1 - Batch or mass-produced products

Product name

Rubber Flooring

Product description and its intended use

Rubber sheet flooring made from virgin and recycled polymetrically bound synthetic EPDM rubber. Available in rolls 1200mm wide x 10-20m long, 3mm-8mm thick or tiles 15mm thick, 1010x1010mm. Fresh Finish is a clear, high quality two component polyurethane coating which is optional.

Product identifier

600 Series; 700 Series; 800 Series; BFC Series; Natural Series; Reco Series
Neoflex Plank
Premium Gym Tiles

(Note other indent colour options may be available, contact Advance Flooring for further information)

Place Manufactured (New Zealand or Overseas)

Overseas, manufactured in Malaysia.

Relevant Building Code clauses

B2 Durability	Performance clause B2.3.1 c) 5 years
C3 Fire Affecting Area beyond the source	Performance clause C3.4 b) - does not apply to detached dwellings, within household units in multi-unit dwellings or outbuildings and ancillary buildings.
D1 Access Routes	Performance clause D1.3.3 d)
F2 Hazardous Building Materials	Performance clause F2.3.1

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Product Review



Rubber Flooring

06/24

pg 3/5

Statement of how the building product is expected to contribute to compliance

B2 Durability - B2.3.1 c)

- Rubber flooring has a durability beyond 5 years, based on NZBC B2/VM1 clause 1.1 In-service history.
- Durability supported by a 10 year product warrant for wear resistance and dimensional stability.

C3 Fire Affecting Area Beyond the Source - C3.4 b)

- Rubber flooring has been tested to EN ISO 9239.1 - 2010 Flux) mean of 3.8kW/m². Refer to TFI Test Report 452024-02, dated 22 December 2015.

D1 Access Routes - D1.3.3 d)

- Rubber flooring has been tested to AS/NZS 4586:2004 Appendix B - Dry Friction Testing and been given a F Classification with a mean COF (co-efficient of friction) 1.00. Refer to ASTS Test Report dated 26.08.2015.
- Note: The above testing is to the older version of AS/NZS 4586, NZBC D1/AS1 requires testing to AS/NZS 4586:2013. The above is therefore presented as an alternative solution to NZBC D1.
- Rubber flooring has been tested to AS/NZS 4586:2004 Appendix A - Wet Pendulum using a Four S Slider and has achieved a SRV of 48. Refer to CSIR Industrial Research Services Test Report No 4034s, dated 21 August 2007.
- Note: The above testing is to the older version of AS/NZS 4586, NZBC D1/AS1 requires testing to AS/NZS 4586:2013, also NZBC D1/AS1 clause 2.1.2 requires testing AS/NZS 4586:2004 Appendix A - Wet Pendulum using Slider 96 Rubber.

F2 Hazardous Building Materials - F2.3.1

- Rubber flooring is manufactured from non-toxic materials

Product Review



Rubber Flooring

06/24

pg 4/5

Limitations on the use of the building product

- Suitable for interior applications only rubber flooring is available without fresh finish is also suitable for outdoor use.
- Not suitable for sloping access routes - wet
- Not suitable for use in exit-ways, sleeping areas and treatment rooms in risk group SI (care and detention) unsprinklered buildings.

Design requirements that would support the appropriate use of the building product

- Neoflex is suitable for sports / recreation applications
- Neoflex Express is suitable for high traffic areas.
- Neoflex Express is suitable for commercial and home gyms.

Installation requirements

- Install in accordance with Advance Flooring, Neoflex Layout, Design and Installation guide
- Ensure substrate is smooth, dry, clean and free from contaminants. For internal applications ensure substrate does not vary from required level by no more than 4mm measured under a 4m straight edge.
- For exterior applications using Reco Series -RS100 sheet, ensure no possible pond deeper than 1mm.
- For interior installations, rubber flooring shall be left to acclimatize at a minimum temperature of 20° C for at least 24 hours in the room where they will be installed.
- Fully adhered applications - use Advanced Flooring approved adhesives only. Once installed it is recommended that the entire surface be rolled using a 50kg hand held flooring roller to eliminate entrapped air and weights such as sand bags must be placed on edges, seams and corners until the adhesive has set.
- Loose-laid -for interior applications only. Loose-lay applications are not recommended where Neoflex receives direct sunlight.
- Taped installations - for interior applications only. Taped applications are not recommended where Neoflex receives direct sunlight. Use double-sided high-density tape. Tape required around the total perimeter of each mat/roll and apply additional tape approximately 30-40cm from end of each roll to avoid curling.
- Ensure all rubber flooring is unrolled and installed in the same direction. Each Neoflex roll is labelled on the underside advising direction of rolling and which face is placed down on substrate.

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Product Review



Rubber Flooring

06/24

pg 5/5

Maintenance requirements

- Maintenance to be in accordance with Rubber Flooring Maintenance.
- Regular maintenance - sweep and/or vacuum
- Interim maintenance - use orbital scrubber operating at no higher than 200RPM using pH neutral detergent

Building Act 2004 section 26 compliance

- Yes/No Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?

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