

Product Review

Strong

R11 Safety Vinyl

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Product class

Class 1 - Batch or mass-produced products

Product name

Strong - R11 Safety Vinyl

Product description and its intended use

Strong is a high-performance heterogenous sheet vinyl and is supplied in roll format to be installed wall – to – wall. The term heterogenous is taken to mean that the product is manufactured using differing layers fused together under pressure and high temperature. Strong heterogenous sheet vinyl is comprised of a polyvinyl chloride material with a backing and wear layer for durability. Heterogenous sheet vinyl is supplied in full rolls of either 2.0m wide, full roll length is 20m.

Product identifier

Strong - 1260, 1288 and 1895.

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

Place Manufactured (New Zealand or Overseas)

Overseas, manufactured in Hungary.

Relevant Building Code clauses

B2 Durability	Performance clause B2.3.1 c) 5 years
C3 Fire Affecting Area beyond the fire 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)
E3 Internal Moisture	Performance clause E3.3.3 and E3.3.5
F2 Hazardous Building Materials	Performance clause F2.3.1
G3 Food preparation and prevention of contaminants	Performance clause G3.3.2 a) and G3.3.2 b)

Advance Flooring Systems Ltd

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

B2 Durability - B2.3.1 c)

- Strong has a durability beyond 5 years based on NZBC b2/VM1 clause 1.1 in service history.
- Durability supported by a 10-year product warranty.

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

- Strong flooring has been tested to EN ISO 9239.1 – 2010 Flux) mean of 9.73 kW/m². Refer to EPH Test Report 2722577 dated 16 January 2023.

D1 Access Routes - D1.3.3 d)

- Strong heterogenous sheet vinyl covered by this statement is slip rated for access routes against on or more of the following international standards. EN 16165:2021-10, BS 7976-2:2002 + A1:2013.

E3 Internal Moisture - E.3.3 and E3.3.5

- Strong heterogenous sheet vinyl is an acceptable solution defined under E3/AS1, 3.1.1 (a) as integrally waterproof sheet material.

F2 Hazardous Building Materials - F2.3.1

- Strong heterogenous is manufactured from nontoxic materials and is phthalate, solvent and heavy metal free.

G3 Food preparation and prevention of contamination - G3.3.2 a) and G3.3.2 b)

- Strong heterogenous sheet vinyl is impervious and easily cleaned.
- Strong heterogenous sheet vinyl is free from hazardous materials.

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Limitations on the use of the building product

- Suitable for interior applications only.
- Not suitable for sloping access routes - wet
- In connection with underfloor heating including in-slab piped water heating – suitable up to 27C maximum.

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

- Strong heterogenous vinyl is suitable for all areas requiring a high performing, durable, easy to clean smooth hard surface.
- Strong heterogenous vinyl is suitable for high traffic areas.

Installation requirements

- Install in accordance with Advance Flooring Installation guide for Strong heterogenous Vinyl Floorcovering
- Ensure substrate is smooth, dry, clean, and free from contamination. For internal applications ensure substrate does not vary from required level by no more than 4mm measured under a 4m straight edge.
- Substrate must have a relative humidity of 75% or below.
- Seams must be welded with Advance Flooring supplied weld rod.
- Must be laid with using adhesive specified and recommended Advance Flooring
- When installed in wet areas the flooring must be edge sealed as detailed in Advance Flooring installation guidelines, and seams welded where required as per best practise guidelines.

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Maintenance requirements

- Maintenance to be in accordance with Advance Flooring guide for Strong heterogenous sheet vinyl.
- Regular maintenance – sweep and/or vacuum then mop and dry.

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