



0651 Resilient Finishes

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00 Design Principles

0.01 Main considerations

It is a requirement to undertake the [PLANNING AND DESIGN/ 0001R - DESIGN REFERENCE](#) and [GLOSSARY OF TERMS](#) information into all aspects of design, detailing and delivery when developing the content here within. Clear demonstration of adherence to these requirements is part of the services and will be called upon at key points in the project and during at the discretion of the Department of Education (DoE).

0.02 Resilient Floor performance requirements

Industrial Sheet Flooring

- Robust, durable and non-slip, resistant to oil spills and sawdust
- Resilient for standing and dropped tools
- Easy to clean

Sheet Vinyl

- Water resistant, easy to clean and durable
- Capable of being welded and coved for hygiene as necessary
- Sanitary non-slip grade with welded joints & coved to wall junctions for floors of accessible toilets

Sheet Vinyl – Foam Backed

- Water resistant, easy to clean and durable
- Capable of being welded and coved for hygiene as necessary
- Provide a degree of resilience and impact noise absorption

Sheet Vinyl – Anti Static

- Communications Room only
- Easy to clean, durable, slip resistant

Specification

01 General

As per current NATSPEC except as follows:

1.6 Submissions

Laying diagram

General: Provide a diagram for each area of resilient flooring showing the location of proposed joints and the laying direction. Refer to inclusions within Contractors Documents, General Conditions of Contract (GC21 Contracts).

02 Products

As per current NATSPEC except as follows:

GUIDE NOTE: Select the resilient finish to suit the requirements of the room. Refer to the technical data summary. Select the slip resistance in accordance with Australian/New Zealand Standards (AS/NZS) 4586 and Home Building Act (HB)197.

2.6 Industrial Sheet Flooring

General

2.0 - 2.5mm thick slip resistant industrial sheet flooring, guaranteed to maintain characteristics for the full thickness and to not require scrubbing, to AS/NZS 4586 and HB197.

2.7 Anti-Static Vinyl Sheet Flooring

GUIDE NOTE: Anti-static vinyl sheet flooring must only be used in specific locations where the EFSG Room Data requirements nominate anti-static flooring. It must not be used in any other locations.

2.8 Tactile Surface Indicators

General

Resilient tactile ground surface indicators for orientation of people with vision impairment in accordance with the National Construction Code (NCC).

Description

- Installation: To AS/NZS1428.4 and in accordance with the manufacturer's printed installation instructions.
- Installation should not be undertaken when exposed to direct intense sunlight. Ensure adhesive is taken to the edge of the tile/sheet.
- Wet Surfaces: R11 (minimum).
- Slip resistant classification for pedestrian surface to AS/NZS 4586 and HB197

Selections

Hardwearing ultraviolet radiation (UV) stable high shear strength polyvinyl chloride (PVC) rubber blend tile suitable for exterior and interior use.

- Dimensions (nominal): 300 x 300 x 2mm base thickness

OR

UV stable cork and rubber composition tile suitable for exterior and interior use.

- Dimensions (nominal): 300 x 600 x 2.5mm base thickness.

GUIDE NOTE: Select a contrasting colour achieve the required luminance contrast with adjacent surfaces.

2.10 Ordering and Delivery

Requirement

Order and confirm delivery instructions with the resilient flooring preferred subcontractor or selected subcontractors not less than 12 weeks prior to the date required and give 2 weeks' notice to the subcontractor of the required laying date.

Give a copy of the delivery docket to the Principal's Authorised Person / Principal's Representative on delivery of the material to site with the following details:

- Full description of resilient flooring and underlay (if required) and all details of accessories.

03 Execution

As per current NATSPEC except as follows:

3.3 Sheet and Tile Installation

Time of laying

The resilient flooring must be laid prior to the carpet.

Change of finish

Junction between resilient flooring and carpet: The carpet edge stripping is to cover the edge of the exposed resilient flooring.

3.5 Sheeting

Welded joints

Requirement: If the floor finish cannot be heat welded, cold weld by applying the recommended adhesive to both edges. All joints are to be sealed to prevent moisture penetration.

3.8 Completion

Maintenance manual

In addition to the maintenance manual supply laminated instructions (see below). The instructions must clearly indicate the location of all resilient floor finishes and the required maintenance requirements showing daily, weekly, monthly and annual requirements. Include the names and addresses of the suppliers, manufacturers and range names and colour of each component

Size: A4 (minimum)

Instructions: Brief, precise with corresponding graphics Finish: Laminated

Location/Distribution:

- Cleaning Supplies Store/s
- Cleaning Distributed Store/s
- Hand one copy to the Principal's Authorised Person / Principal's Representative.

Installation: Fasten to wall in a clearly displayed position.

04 Selections

As per current NATSPEC.

Performance Criteria

Selections should be based on the following performance criteria:

- Offer value for money in a Whole of Life framework.
- Offer high durability and robustness
- Have low maintenance requirements.
- Compliance with NCC Fire Hazard Properties
- Be water resistant and capable of being welded and cored for hygiene as necessary.
- Provide appropriate functionality for the location and use of the area including:
 - Acoustic suitability to expected background and activity noise levels.
 - Slip resistance.
- Support sustainability by having recycling potential at the end of usable life, and/or include recycled content.
- Must be in sheet form and fully heat welded on installation to AS/NZS 1884.
- Industrial sheet flooring should be resilient for standing and dropped tools
- Vinyl flooring should have a clear upper surface treatment incorporated during manufacture and guaranteed for at least five years.
- For homogeneous products, the nominated colours and patterns shall permeate this thickness.
- For heterogeneous products, the nominated colours and patterns shall permeate at least 0.7mm of this thickness.