



MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT
HĪKINA WHAKATUTUKI

Acceptable Solutions and Verification Methods

For New Zealand Building Code Clause
E3 Internal Moisture



BULLETIN

ISSUE 587



Reprint as at 7 August 2020



Health and Safety at Work Act 2015

Public Act 2015 No 70
Date of assent 4 September 2015
Commencement see section 2

Note
Changes authorised by subpart 2 of Part 2 of the Legislation Act 2012 have been made in this official reprint.
Note 4 at the end of this reprint provides a list of the amendments incorporated.

This Act is administered by the Ministry of Business, Innovation, and Employment.

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MINISTRY OF BUSINESS,
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New Zealand Building Code Handbook



New Zealand Standard

Floor coverings — Resilient sheet and tiles — Installation practices

Superseding NZS/AS 1884:1985

NZS AS 1884:2013
(AS 1884:2012, MOD)

NZS AS 1884:2013

WORKSAFE
NEW ZEALAND | MAHI HAUHARU
AOTEAROA

AS/NZS 2455.1:2007
(Incorporating Amendment No. 1)

Australian/New Zealand Standard™

Textile floor coverings—Installation
practice

Part 1: General

BEST PRACTICE GUIDELINES FOR THE
NEW ZEALAND FLOORING INDUSTRY

CARPET FLOOR COVERINGS PLANNING AND INSTALLATION



First edition compiled in
2019 by Floor NZ, the
flooring association for
the flooring industry

Demonstrate knowledge of legislation – part 1

Industry Standards



Definitions

Legislative - means it is law made through the government process.

Regulatory is short for regulate - it means to control or standardise.

Standards - means guidelines, benchmark or criteria.

Let's look at some examples



AS/NZS 2455.2:2007 *Textile floor coverings, Part 2:
Carpet tiles*
(Incorporating Amendment No. 1)

NZ AS 1884-2013 *Resilient Sheet and Tiles-Laying
and Maintenance*

AS/NZS 1080.1:2013 *Moisture Content of Timber*

Australian/New Zealand Standard™

Textile floor coverings—Installation
practice

Part 1: General

The Flooring Industry standards are owned
by Standards New Zealand which is a
business unit within the Ministry of
Business, Innovation and Employment.

'They can be purchased online from
Standards NZ'



NZS AS 1884:2013
(AS 1884:2012, MOD)



New Zealand Standard

Floor coverings — Resilient sheet
and tiles — Installation practices

Superseding NZS/AS 1884:1985

NZS AS 1884:2013



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Acceptable Solutions and Verification Methods

For New Zealand Building Code Clause **E3 Internal Moisture**

As an example, one area of the building code that can affect the flooring industry is floor covering types or coatings used in wet areas.



This could involve:
Slip resistance criteria in entrance ways, R12 for kitchens or ramps.
The floor covering type, coving, water proofing and falls in showers



New Zealand Building Code Handbook

The New Zealand **Building Code** is a Legislative standard to keep buildings safe and fit for purpose for public use.



When a new building or a large renovation is completed it will need a code of compliance issued by a council inspector.



Industry Bulletins help keep the construction industry and the public informed.

BULLETIN

ISSUE 626



SLIP RESISTANCE OF FLOORS

August 2018

- Falls on slippery floors claim the lives of several New Zealanders every year, and many more suffer non-fatal injuries from slipping or skidding.
- Under Building Code clause D3, Access routes, defined access routes, floors and paths must have sufficient friction to minimise the risk of people slipping and being injured.
- This bulletin covers how to ensure floors are slip resistant. It updates and replaces Bulletin 370 of the same name.

The **Building Research Association New Zealand** is an organisation that carries research and testing.

BULLETIN

ISSUE 628



Any construction areas of concern such as leaky homes, or after a natural disaster research information is put together in a bulletin.

SHEET FLOORING

October 2018

- Sheet flooring laid over lightweight steel or timber framing is quick and easy to install and provides improved safety on site as it creates an immediate working platform.
- This bulletin describes each sheet flooring option and its design and installation requirements.
- This bulletin updates and replaces Bulletin 371 Particleboard flooring.

Construction Industry bulletins can be purchased online from BRANZ

BEST PRACTICE GUIDELINES FOR THE NEW ZEALAND FLOORING INDUSTRY

CARPET FLOOR COVERINGS PLANNING AND INSTALLATION

Best Practice Guidelines provide techniques to help produce work that meets industry standards and manufacturer's recommendations

BEST PRACTICE GUIDELINES FOR THE NEW ZEALAND FLOORING INDUSTRY

RESILIENT FLOOR COVERINGS PLANNING AND INSTALLATION

INSTALLATION INSTRUCTIONS FOR QUICK-STEP LAMINATE WITH HYDROSEAL TECHNOLOGY.

IN ORDER TO OBTAIN A GOOD RESULT, WE ADVISE TO FOLLOW ALL GIVEN INSTRUCTIONS CAREFULLY.



1. PREPARATION

Important Information

It is important to employ safe working practices when cutting or fitting floor coverings. Protective eyewear and safe footwear (preferably) should be worn throughout the installation to help prevent against injury. Dust extraction and respiratory (appropriate dust masks) should be used when cutting flooring or trims using a saw of any type. Materials Safety Data available by contacting your local Premium Floors or Floorscape Branch. If using ancillary products like levelling compound recommended to adhere to the specific safety requirements as stated by the manufacturer of the product.

1

It is a good idea to bring the packs to room temperature prior to installation, by having them in the room prior. Products have been stored in cold or hot locations should be left in the room for up to 24 hours prior to installation, so that the approximate to the room temperature.

2

Remove any damp-porous floor covering (carpet, needle felt, etc.) first. Damp-sealed floor covering (PVC, linoleum, V) have to be removed. Always use an underlay. We advise to use a QuickStep underlay.

3

WOODEN SUBFLOOR: Remove any existing floor covering first. No signs of mould and/or insect infestations should be present. The subfloor is level. Nail down any loose joints. If the wooden subfloor is flat (no unevenness greater than 2mm over 1m) and the moisture content is less than 12%, no further action is required. If the unevenness is greater than 2mm/1m should be sanded.

space under the plank floor must be sufficient to allow for a minimum of 4 cm² (1 1/2") total ventilation openings per m².

dealer or installer of the floorheating system or slab system are suitable, always install a 20 mm thick insulation layer under the floor.

up to 4 cm (1 1/2"). Thicknesses over 4 cm must dry for at least 8 weeks. Concrete drying times are really depending on the climate.

atfa®

Australasian timber flooring association

Local professionals, world-class standards

Information on the flooring, please consult the relevant standards.

Manufacturers specifications are documents produced by manufacturers specific to their products and how they must be applied or installed.

Prior to Installation

VISUAL INSPECTION



Please inspect product prior to installation. Check that the colours correspond to those ordered, the quantities are correct and there is no visible damage to the boxes. Check the vinyl planks or tiles during installation for any visible defects. Do not install any planks or tiles that display any imperfections.

We recommend that you always use materials from a single production batch for each installation, as we cannot guarantee a shade match between different batches.

SUITABILITY

- Moduleo Click design floors can be laid on concrete, cementitious screed, anhydrite (calcium sulphate), timber, plywood, particleboard and ceramic tiles, which have been suitably prepared (see Floor Preparation).
- Moduleo Click design floors can be used with traditional waterbased underfloor heating and cooling systems. Electric wire systems are not recommended unless the system is encased in a minimum of 9mm of suitable levelling compound. Direct contact with wired heating systems must be avoided. If in doubt seek further advice.
- Moduleo Click design floors is only suitable for indoor installation.
- Seasonal temperature conditions: Moduleo Click design floors can be used in any indoor situation, such as temperature controlled conservatories and holiday homes. Keep under all conditions the temperature between 6°C and 35°C. Avoid rapid temperature increases of more than 5°C per 12 hours. Strongly recommend the use of Moduleo Click design floors. However, if you do want to use Moduleo Click, please contact the Moduleo Technical Support Team.

Manufacturers specifications often refer also to the relevant industry standards.

National regulations

Site conditions and installation must always comply with the relevant national regulations and installation standards.

COMPOSITION, CONSTRUCTION AND QUALITY OF THE SUBFLOOR



Knowledge of the composition and construction provides valuable information that allows you to correctly check the acceptable humidity, compressive and tensile strength of the subfloor. In addition it tells you what type of floor preparation, levelling compound, and possible moisture barrier you may need during the installation process.

When there is ambiguity or doubt about the quality or composition of your subfloor check with your floor preparation, levelling compound manufacturer/supplier.

There is no registered Australian New Zealand industry standard for installing timber. The Australasian Timber Flooring Association has produced an information guide with researched information for installing and coating solid timber flooring.