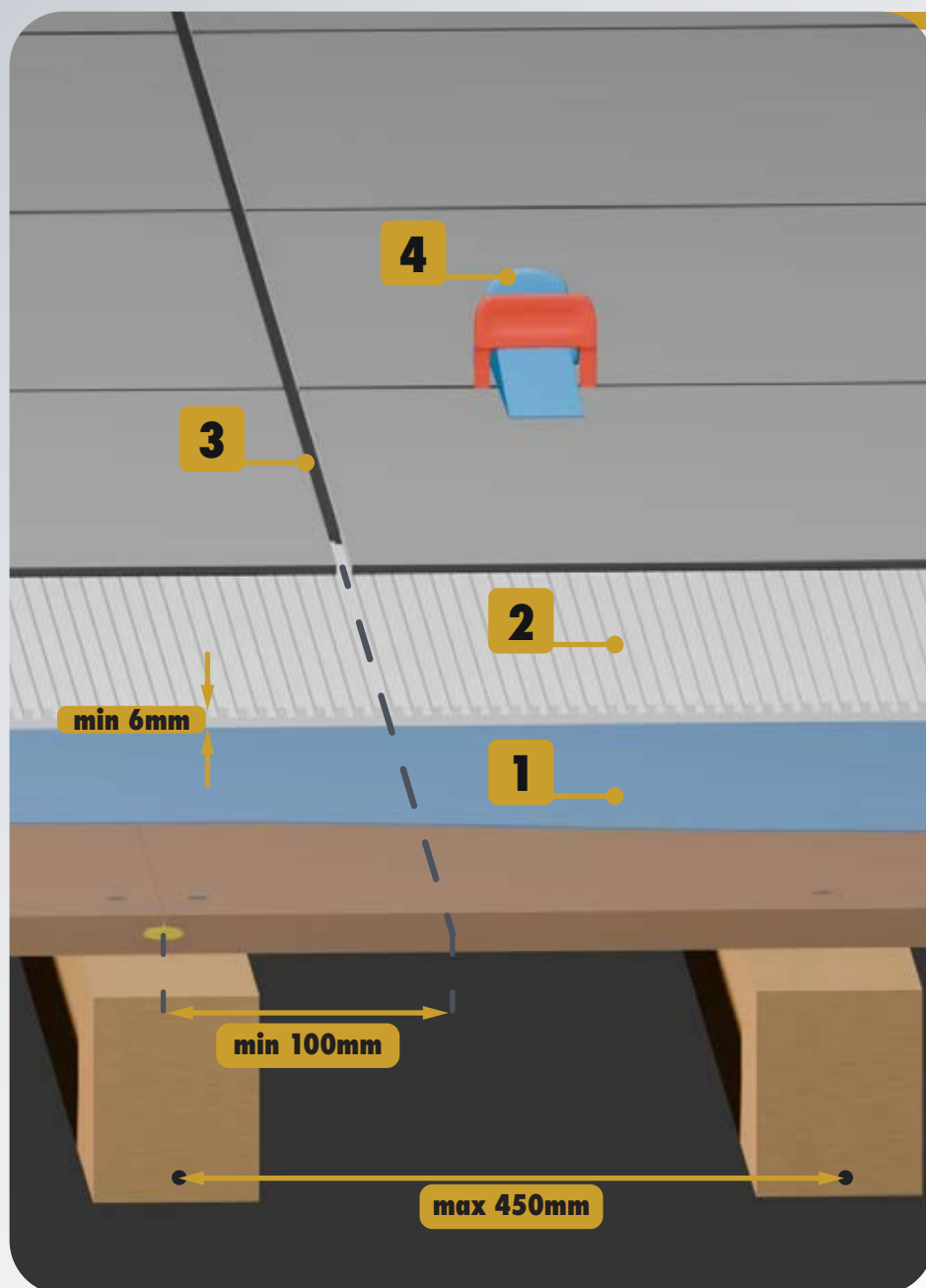


DIRECT TILE FIXING TO STRUCTAflor Yellow Tongue™

No: D-1008

Revision: 2

Issued: Jul 10, 2026



1 Primer

PR-1 Blue

Impervious
Substrate Primer



2 Tile Adhesive

ADH-77 Soundflex

Acoustic Tile Adhesive



ADH-77 Soundflex Trowel

Modified 15mm



3 Grout

Spectrum Futura

Lightweight
Coloured Grout



4 Tile Levelling

EZE-Clip

Tile Laying
System



Installation Requirements

Joist Spacing

Max 450mm between the joists
centres

Substrate Deflection

Less than 1/360

Tile Setout

Tile grout joints min 100mm from the
tongue groove joints of STRUCTAflor

Bed Thickness

Min 6mm of continuous bed after tiles
are installed

Suitable Tiles

Only full body porcelain

This document provides general recommendations only and is designed to be used in combination with relevant Product Data Sheets, standards and industry practices. As each project differs in requirements and site conditions, specific recommendations may vary from the information provided here. For recommendations related to a specific project, please, contact ACT Australia Pty Ltd.

Note!

Red and Blue Tongue boards are also compliant when installed according to this guide and manufacturer's instructions.



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INFORMATION

SCOPE

This specification outlines general guides for the materials selection, preparation, application, and installation for the tiling systems directly to STRUCTAflor Yellow Tongue™ floor substrate.

STANDARDS & CODES

All work shall comply with the latest editions of the following standards and documents:

- AS 3740 – Waterproofing of domestic wet areas
- AS 3958.1 – Ceramic tiles – Guide to the installation of ceramic tiles
- AS 4858 – Wet area membranes
- National Construction Code (NCC) & Building Code of Australia (BCA)
- Any other relevant building codes
- Relevant Product Data Sheets and installation guides (inc. STRUCTAflor installation manuals and guidelines)

SUITABLE TILES

Only full body porcelain tiles to be used for direct tiling to Yellow Tongue.

Soft biscuit tile types such as glazed monocottura tile or natural stone including travertine or marble are not suitable for direct tiling option. These tile types should only be fixed to Ceramic Tile Underlay fixed on top of yellow tongue.

INSTALLATION GUIDE

1 SUBSTRATE INSTALLATION

Must be installed according to manufacturer's instructions. Contact the builder to confirm that Yellow Tongue has been installed as per manufacturer's instructions.

That includes correct type and size of nails and screws, correct size of joist, and correct spacing (max 450mm centres) recommendation.

Sheets must be adhered with recommended adhesive to all joists and into the Yellow Tongue groove prior to adjoining the next sheet.

PROTECTIVE COATING

To tile directly over STRUCTAflor Yellow Tongue, the manufacturers protective coating layer must be intact and in 'like new condition'. The protective coating must be clean and dry with no dust, oil or contaminants that may cause adhesion failure.

If any of the protective coating has been damaged

or removed by sanding or planing away, Yellow Tongue must be sheeted over with 'Ceramic Tile Underlay' following the manufacturers installation recommendations. If in doubt of any of the above, always sheet over Yellow Tongue with ceramic tile underlay.

TEST SUBSTRATE

The substrate must be solid and sound with no more than 1/360 deflection. A common-sense test to assist in determining suitability is to stand in the middle of the floor area up on your toes and drop your full weight into the floor through your heels.

If the floor is solid with no shaking, bouncing or excessive vibration then the direct fixing option can be carried out. However, if the floor does not feel solid and is shaking we only recommend sheeting over Yellow Tongue with ceramic tile underlay sheet prior to tiling.

2 SUBSTRATE PREPARATION

The substrate must be clean, dry, free from dust, wax, oil, grease, laitance, curing compounds, paints (incl. overspray), coatings and all contaminants which may cause adhesion failure.

Only prime clean Yellow Tongue sheets with **PR-1 BLUE** Impervious Substrate Primer. Apply one (1) coat only at a rate no greater than 15m² per litre. Drying time is min 24 hours.

Prior to tiling check **PR-1** primer has adhered fully to Yellow Tongue surface. You should not be able to scratch off **PR-1**.

PR-1 Blue
Impervious
Substrate Primer



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INSTALLATION GUIDE

INTERNAL WET AREAS

After completing all steps above, only waterproof Yellow Tongue with **WP-1 PINK** Waterproofing Membrane following application instructions on the bucket and PDS.

Note!

Yellow Tongue is not a recommended sheeting for external or covered external areas such as balconies and decks.

3 TILE INSTALLATION

Important!

Application of **ADH-77** Tile Adhesive **must** only be done with **ADH-77 15mm Modified Trowel**. A **minimum 6mm** continuous adhesive bed beneath the tile (after tiles are installed) **must** be achieved for direct to Yellow Tongue application. Hold the **ADH-77 trowel at min 45°** to the substrate to maximise bed thickness.

Place tile into fresh **ADH-77** Soundflex by pushing firmly into place with slight sideways motion. Ensure **ADH-77** has not skinned over prior to placing tile.

Coverage:

Approx. 2.2m² per 13kg bag for direct fixing to Yellow Tongue.

Use only ACT's patented **EZE-Clip** Tile Laying System for this application. After tiles are set (min 8hrs - ideally 24hrs) remove **EZE-Clip** by knocking them off along the grout joint line with a rubber mallet.

Follow application instructions on packaging and PDS.

4 GROUT & SILICONE

Only use **Spectrum Futura** Lightweight Coloured Grout. Follow the written instructions on packaging. Ensure grout joints are clean of **ADH-77** residue prior to application of grout.

Follow application instructions on packaging and PDS.

MOVEMENT & PERIMETER JOINTS

Select a colour of **Spectrum Futura S-25** silicone to match the grout for all movement and perimeter joints. They must be incorporated in accordance with AS3958.1-2007.

WP-1 PINK

Class III SBR
Waterproofing
Membrane



ADH-77 Soundflex

Acoustic Tile Adhesive

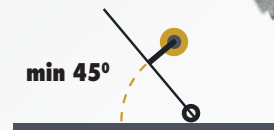


ADH-77 Soundflex Trowel

Modified 15mm



min 45°



EZE-Clip

Tile Laying
System



Spectrum Futura

Lightweight
Coloured Grout



Spectrum Futura S-25

Sanitary Grade
Acetoxy Silicone



SYSTEM WARRANTY

ACT Australia Pty Ltd guarantee this system for 7 years when installation is done in accordance with the standards and codes listed in this document, and full installation system has been followed.

This guarantee applies for the time of application and covers only the cost of replacement materials of the original installation only when the product is proven and acknowledged to be faulty.

