

ACT Installation System

Direct Fixing to STRUCTAflor Yellow Tongue

ADH-77 is a unique one-part highly flexible tile adhesive. It is suitable for tiling directly over STRUCTAflor Yellow Tongue as part of this installation system.

Note! Red and Blue Tongue boards are also compliant when installed according to this guide and STRUCTAflor's installation instructions.



ACT Australia
Product System
Technical Data

SYSTEM ELEMENTS

- PR-1 Impervious Substrate Primer
- ADH-77 SoundFlex Adhesive
- ADH-77 Soundflex 15mm Trowel
- EZE-Clip Tile Laying System
- Spectrum Futura Lightweight Coloured Grout
- Spectrum Futura S-25 Silicone

APPLICATION

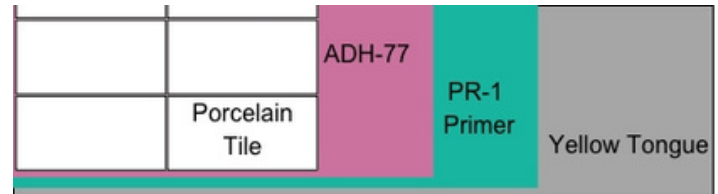
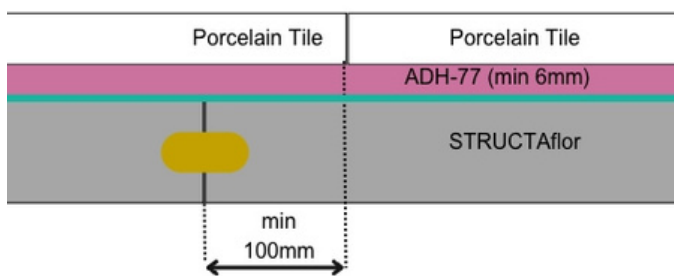
SUITABLE TILE TYPE: PORCELAIN

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.

TILE SETOUT

Ensure that tile grout joints are minimum 100mm from the tongue groove joints of STRUCTAflor.



Mix **ADH-77 Soundflex** with approx 5.5L of clean drinking water and leave to slake for 5mins before re-stirring, the adhesive is now ready for use. Apply **ADH-77 Soundflex** adhesive to the properly prepared Yellow Tongue surface using the specially modified **ADH-77 Soundflex 15mm notch trowel** ensuring a minimum 6mm continuous adhesive bed beneath tile is achieved between tile and Yellow Tongue. Place tiles into freshly applied **ADH-77 Soundflex** adhesive by pushing firmly down with a slight sideways motion.

Only ACT **EZE-CLIP** tile laying system can be used in the direct fixing method to ensure a perfectly tiled floor. Do not use other clip tile laying systems as warranty will be void. After a minimum of 8hrs (ideally 24hrs) and ensuring the tiles are set, remove the **EZE-CLIP** system by simply knocking off clips along the grout joint line direction with a firm tap of a rubber mallet to achieve a clean break at base of clip.

SUBSTRATE PREPARATION

If the Yellow Tongue meets all the above criteria, it is ready to be prepped. All substrates to be tiled 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.

PRIMING

Only prime clean Yellow Tongue sheets with **ACT PR-1 'the blue one'** Impervious Substrate Primer. Apply one (1) coat only at a rate no greater than 15sqm per litre. **PR-1** primer must be allowed to dry for a minimum 24hrs prior to commencing tiling.

Prior to tiling check **PR-1** primer has adhered fully to Yellow Tongue surface by trying to remove, you should not be able to scratch off **PR-1**.

Note! Drying time may vary depending on weather conditions.

GROUTING

Only use **ACT 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.

MOVEMENT & PERIMETER JOINTS

Only use **ACT Spectrum Futura S-25 Silicone** to install movement joints. They must be incorporated within the tiling system in accordance with AS3958.1-2007. Ensure movement joints are free of all adhesive and grout residue.

INTERNAL WET AREA TILING

Only waterproof Yellow Tongue with **ACT WP-1 Pink Waterproofing Membrane** prior to tiling and follow all other installation instructions listed above.

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

SUBSTRATE CONDITION

YELLOW TONGUE INSTALLATION



IMPORTANT!

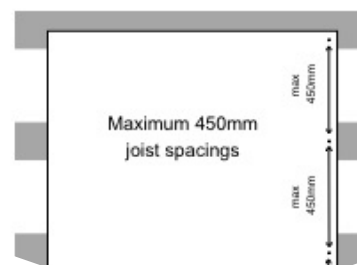
See [STRUCTAflor Installation manual](#) for full details.

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.

Note!

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



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 any of coating then the direct fixing method must not be used. In this case, then 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.

IMPORTANT!

Removal of protective coating removes the option to tile directly to Yellow Tongue. In this case, we only recommend sheeting over the Yellow Tongue with suitable fibre cement tile underlay sheeting as per manufacturer's fixing recommendation prior to tiling with **ADH-77**.

TEST SUBSTRATE

The substrate to be tiled over must be solid and sound with no greater than 1/360 deflection. A simple and common-sense test to assist in determining suitability of substrate to be tiled 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.

GUARANTEE

ACT Australia Pty Ltd guarantee this system for 7 years when tiles are installed in accordance to AS 3958.1- 2007 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.

This Installation guide must be followed fully with all ACT products listed for ACT Australia system guarantee.

IMPORTANT!

Failure to follow this system in full will void any warranty.