

## technical data sheet

# ULTRASET SF

## SOLVENT FREE POLYURETHANE TIMBER FLOORING ADHESIVE

### PRODUCT

Ultraset SF is a flexible one component, solvent free moisture curing polyurethane timber flooring adhesive.

### DESCRIPTION

One part solvent free polyurethane elastomeric adhesive formulated to adhere most types of wood, parquet, strip and sheet timber flooring systems to concrete, timber, or over existing floors.

### RECOMMENDED USES

- Adhering Parquetry to concrete or timber
- Strip flooring
- Underlay, prior to application of timber flooring
- Tiles to concrete/timber

### FEATURES & BENEFITS

- Solvent free formulation
- No mixing, ready to use
- One component
- Flexible
- Easy to spread
- Will not re-emulsify when in contact with moisture
- Colour Range (brown standard)
- Tested to ASTM C794 for peel adhesion to various species of Australian Hardwood
- Non-flammable
- Recommended adhesive by major timber manufacturers
- Excellent acoustic properties
- Australian made

### PERFORMANCE PROPERTIES

Typical properties after 7 Days cure at 23°C and 50% RH

Colour	Brown & Yellow
Appearance	Smooth Paste
Tack free time	Approx. 4 Hours @ 25°C 50% RH
Cure system	Moisture
Specific gravity	1.31 Approx
Flammability	Non-flammable (contains no solvent)
Cure Rate	1.5 - 2.5mm / Day
Hardness Shore A	Approx 52
Tensile modulus at break	2.3 N/mm <sup>2</sup>
Staining	No Staining
Full Cure	Approx 24 Hours Depending on temp. and relative humidity

### PACKAGING

Ultraset SF is available in 15 litre pails and 600ml sausage.

### COVERAGE

Approx. 1.3 to 1.4 square metres per litre depends on substrate conditions and "V" notch trowel size.

### APPLICATION INSTRUCTIONS

#### Substrate Preparation

All surfaces must be clean, dry, free of voids, curing compounds, loose materials, oil, grease and sealers. All surfaces must be structurally sound before application. Where previous adhesives (PVA or bituminous adhesives) or contamination (waxes, coatings etc) is suspected or in evidence, thorough removal of all such contamination must be carried out. Concrete slabs should be built in accordance with Residential Footings and Slabs Code AS2870-1996.

To prevent moisture migration and subsequent swelling and cupping of the timber it is recommended that on ground floor slabs where excessive moisture could be present apply Bostik Moisture Seal prior to the installation of Ultraset. (Refer technical data sheet).

If the concrete substrate is uneven and requires levelling prior to the application of timber flooring Bostik recommend the use of Ultralevel SL. In an event where the concrete slab has moisture level of 75.5% apply Bostik Moisture Seal followed by application of Ultralevel SL.

### PRIMING

Ultraset SF generally does not require priming, except in applications where moisture migration may be evident. Bostik Moisture Seal is recommended if the moisture content is above 5.5% or 70% relative humidity when tested in accordance to Australian Standard AS1884-1985.

### MIXING

No mixing is required, simply use directly from pail or sausage.

### APPLICATION/PLACING

Apply a single coat of Ultraset using a 3-4mm "V" notch trowel. Evenly spread the Ultraset with a "V" notch trowel and set flooring material with enough pressure to ensure full contact between the Ultraset and the timber.

### PRECAUTIONS

- Not recommended as a stand-alone coating for use in sealing horizontal decks, patios, driveways or terrace joints where abrasion or physical abuse is encountered.
- Ultraset SF should not be applied over any acrylic primer or sealer
- If Ultraset SF is to be used in conjunction with Ultralevel SL then ensure that none of the Ultralevel Primer is left exposed. Ultraset SF will not adhere to the Ultralevel Primer, whenever the primer is applied the Ultralevel SL must be applied over or the excess primer removed prior to the installation of Ultraset SF
- Requires atmospheric moisture to cure properly. It should not be used in totally confined or air free spaces.

- Timber flooring systems should be acclimatised to the relevant environment to prevent excessive expansion/ shrinkage causing failure of the floor system. (Refer timber manufacturer's installation procedures).
- Ultraset is not a waterproofing membrane and should not be used for waterproofing a substrate.
- Ultraset should not be installed on wet, contaminated or friable surfaces
- Ultraset should not be exposed to water and alcohol before it has completely cured.
- Bostik recommends 9907 solvent or Methylated Spirits for cleaning tools, ensure Methylated Spirits or solvents do not come into contact with uncured adhesive.

#### CLEAN UP

Ultraset will take up to six hours (dependent on ambient temperature) before initial set commences. Methylated spirits can be used to remove excess, this should be done immediately for optimum results.

#### STORAGE

Stored in original sealed container under cover in dry conditions. Solvent Free Ultraset SFTimber Flooring Adhesive has a shelf life of 12 months in original unopened containers if stored between 5°C and 30°C.

#### FIRE

Ultraset is non-flammable.

ITEM NO	STOCK SIZE		COLOUR
<b>ULTRASET</b>			
265152	15 litre pail	Solvent Free	Brown
267740	15 litre pail	Solvent Free	Yellow
260738	15 litre pail	Standard	Brown
260711	15 litre pail	Standard	Yellow
262463	600ml sausages	Solvent Free	Brown
<b>MOISTURE SEAL</b>			
263362	8 litre kit (10.25 kgs)		Grey
263370	20 litre kit (25.6 kgs)		Grey
<b>ULTRALEVEL SL</b>			
267805	20kg bag		Light Grey
<b>HANDI-CLEAN TOWELS</b>			
257753	72 Towels per pack/6 packs per carton		

#### PRE-TESTED ADHESION TO SUBSTRATES (P.A.T.S) PROGRAM

This program is intended to eliminate potential field problems by pre-testing Bostik's Ultraset Adhesive with samples of building materials on which the adhesive will be applied. Bostik Technical Services are available to pre-test any samples of substrate where the specifier/ purchaser/ applicator may have doubts on application suitability. The tests will aid in determining the proper surface preparation method. Following this procedure will remove many of the unknown variables that affect field success. Please contact your Bostik Representative for further details.

#### HEALTH AND SAFETY

Contains Isocyanates <1%

On contact, uncured adhesive causes irritation.

Gloves and protective goggles should be worn during application and use.

- Avoid contact with skin, eyes and avoid breathing in vapour
- Wear protective gloves when using
- If poisoning occurs contact a doctor or Poisons Information Centre
- If swallowed, do not induce vomiting. Give a glass of water
- If skin contact occurs, remove contaminated clothing and wash skin thoroughly for a minimum of 15 minutes and see a doctor
- For further detailed information refer to Material Safety Data Sheet.

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The representations and recommendations regarding the products are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with a limited warranty only, and on the condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Bostik Findley Australia be liable to anyone except for replacement of the products or refund of the purchase price.

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#### INTERNATIONAL OFFICES

**Bostik Findley Australia Pty Ltd**  
Tel: 03 9279 9333  
Fax: 03 9279 9270

**Bostik Findley New Zealand Pty Ltd**  
Tel: 0011 644 567 5119  
Fax: 0011 644 567 5412

**Bostik Findley Singapore Pty Ltd**  
Tel: 0011 6 5863 4088  
Fax: 0011 6 5863 4077

**Bostik Findley Malaysia Pty Ltd**  
Tel: 0011 644 567 5119  
Fax: 0011 644 567 5412

#### AUSTRALIAN BRANCHES

**Sydney**  
Tel: 02 8825 3488  
Fax: 02 8825 3411

**Brisbane:**  
Tel: 07 3265 2377  
Fax: 07 3265 5421

**Adelaide**  
Tel: 08 8244 0511  
Fax: 08 8244 0522

**Perth**  
Tel: 08 9331 7666  
Fax: 08 9331 7677

A.B.N. 79 003 893 838

