

technical data sheet

ULTRASET SF

Solvent Free Polyurethane Timber Flooring Adhesive

PRODUCT

Ultraset SF is 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 leveled concrete and timber substrates, 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
- 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

Colour	Brown
Appearance	Smooth Paste
Tack Free Time	Approx 4 hrs @ 25°C 50% RH
Cure system	Moisture
Specific Gravity	1.31 Approx
Cure Rate	1.5 – 2.5mm/ Day
Hardness	Shore A Approx 52
Tensile Modulus at break	2.3 n/mm ²
Staining	Non Staining
Full Cure (1mm film)	Approx 24 hrs Depending on temp & relative Humidity
Flammability	Non Flammable (contains no solvent)

PACKAGING

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

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.

Moisture Seal: Designed to prevent moisture migration through the slab, which can cause swelling or cupping of the Timber boards.

- In any case where the concrete slab has a Moisture Content of greater than 5.5%, apply Bostik Moisture Seal.
- As a preventative measure, it is recommended that all ground floor slabs be coated with Moisture Seal as moisture levels within the slab can vary over time. (Refer to current Bostik Moisture Seal Tech Data Sheet for detailed application instructions).

Ultralevel SL / NP PRIMER: To be applied after Moisture Seal.

If the Concrete substrate is uneven and requires levelling prior to the application of Timber Flooring, Bostik recommends the use of Ultralevel SL/ NP Primer. (Refer to current Tech Data Sheet for detailed application instructions)

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 SF using a 3-4mm "V" notch trowel. Evenly spread the Ultraset SF with a "V" notch trowel and set flooring material with enough pressure to ensure full contact between the Ultraset SF and the timber until full cure of the Ultraset SF is achieved minimum 24 hours. The best method to achieve this contact is by weighting or pinning the floor as required.

PLEASE NOTE : A MINIMUM OF 80%-85% COVERAGE OF ULTRASET IS REQUIRED ON THE BACK OF EACH INDIVIDUAL PIECE OF TIMBER.

PRECAUTION

- Ultraset SF should not be applied over any acrylic primer or sealer
- Do not apply Ultraset SF on a dense furnished concrete surface without prior abrading or sanding back the surface to obtain mechanical key. Refer to a Bostik Technical Manager.
- 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 SF is not a waterproofing membrane and should not be used for waterproofing a substrate
- Ultraset SF should not be installed on wet, contaminated or friable surfaces
- Ultraset SF should not be exposed to water and alcohol before it has completely cured.

P.A.T.S (Pretested Adhesion To Substrate) Programme

Bostik offer a service in which a program has been established to eliminate potential field problems by pre-testing Bostik adhesives with samples of building materials to which the adhesive will be applied. This service is available on large projects where pre-application testing will aid in determining the proper surface preparation method to achieve optimum adhesion. Consult a Bostik representative for further information.

HEALTH AND SAFETY

On contact, uncured sealant causes irritation. Gloves and protective goggles must be worn during application and use.

- Contains Isocyanates <1%
- Avoid contact with skin, eyes and avoid breathing in vapour.
- Wear protective gloves when mixing or using

• If poisoning occurs, contact a doctor or Poisons Information Centre.

• If swallowed, do not induce vomiting. Give a glass of water.

HEALTH & SAFETY (Cont'd...)

• If skin contact occurs, remove contaminated clothing and wash skin thoroughly for a minimum of 15 minutes and see a doctor.

• For more detailed information refer to Material Safety Data Sheet.

CLEAN-UP

Cleaning Solvents such as Mineral Spirits, Shellite, Paint Thinners or Bostik 9907 Solvent Blend can be used to remove excess. This should be done immediately for optimum results. Care should be taken to prevent any reaction or damage to prefinished timber coatings.

STORAGE

Stored in original sealed container under cover in dry conditions. Ultraset SF Timber 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.

ULTRASET

ITEM NO.	DESCRIPTION	COLOUR
ULTRASET		
265152	15 Lt Pail Solvent Free	Brown
260738	15 Lt Pail Standard	Brown
262463	600ml Sausages Solvent Free	Brown
311960	300 ml Cartridge Solvent Free	Brown
MOISTURE SEAL		
263362	8 Lt Kit (10.25 kgs)	Grey
263370	20 Lt Kit (25.6 kgs)	Grey
ULTRALEVEL SL		
267805	20 kg Bag	Light Grey
ULTRA NP PRIMER		
287032	Ultra NP Primer 4Lt Kit	Clear
HANDI CLEAN TOWELS		
257753	72 Towels / 6 packs per carton	

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 Australia Pty Ltd be liable to anyone except for replacement of the products or refund of the purchase price.

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