

technical data sheet

ULTRASET

Polyurethane Timber Flooring Adhesive

PRODUCT

Ultraset is flexible, one component moisture curing polyurethane timber flooring adhesive.

DESCRIPTION

One part 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 (depending on substrate conditions)
- Underlay, prior to application of timber flooring
- Tiles to concrete/timber

FEATURES & BENEFITS

- 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
- Recommended adhesive by major timber manufacturers
- Excellent acoustic properties
- Australian made

PERFORMANCE PROPERTIES

| | |
|--------------------------|---|
| Colour | Brown |
| Appearance | Smooth Paste |
| Tack Free Time | Approx 5 – 8 hrs @ 25°C 50% RH |
| Cure system | Moisture |
| Specific Gravity | 1.30 Approx |
| Cure Rate | 2 – 3 mm / Day @ 25°C 50% RH |
| Hardness | Shore A Approx 43 |
| Tensile Modulus at break | 1.3 n/mm ² |
| Staining | Non Staining |
| Full Cure (1mm film) | Approx 24 hrs Depending on temp & relative Humidity |

PACKAGING

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

COVERAGE

Approx. 1.2 to 1.3square 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 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 until full cure of the Ultraset 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 should not be applied over any acrylic primer or sealer
- If Ultraset is to be used in conjunction with Ultralevel SL then ensure that none of the Ultralevel Primer is left exposed. Ultraset 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.
- 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.

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. Solvent Free Ultraset 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.

ALL SALES ARE EXPRESSLY LIMITED TO THE TERMS AND CONDITIONS OF SALE OF BOSTIK AUSTRALIA PTY LTD

FOR FURTHER INFORMATION



BOSTIK AUSTRALIA PTY LTD
Phone: +61-3-9279 9333
Fax: +61-3-9279 9240

BOSTIK NZ LIMITED
Phone: +64-4-567 5119
Fax: +64-4-567-5412

BOSTIK SINGAPORE PTE LTD
Phone: +65-6863 4088
Fax: +65-6863 4077

BOSTIK (MALAYSIA) SDN BHD
Phone: +606 764 3246
Fax: +606 764 3248

SYDNEY
Phone: 02 8825 3488
Fax: 02 8825 3411

ADELAIDE
Phone: 08 8244 0511
Fax: 08 8244 0522

PERTH
Phone: 08 9331 7666
Fax: 08 9331 7677

BRISBANE
Phone: 07 3260 2206
Fax: 07 3260 2123

(ABN 79 003 893 838)

| | |
|--------------|-----------------|
| Product: | Bostik Ultraset |
| Issue Date: | December 2006 |
| Issue No: | 1 |
| Division: | Construction |
| Total Pages: | 2 |