



PRODUCT DATA SHEET

MULTITHANE U.V.

DESCRIPTION

Duram Multithane UV is a grey elastomeric, single pack, cross-linking, UV resistant, moisture curing, high tensile strength, flexible polyurethane waterproofing membrane.

Multithane UV cures to form a tough, flexible, seamless waterproof membrane and is capable of withstanding normal structural and thermal movement.

Multithane UV incorporates anti-oxidants and UV stabilisers specifically formulated to provide Multithane UV stability in exposed applications.

BENEFITS

- Rain resistant within 6 to 10 hours.
- Fully cured in 24 hours.
- Suitable for permanent immersion in water.
- Does not stain grouts & sealants.
- High resistance to hydrostatic pressure.
- Permanently flexible (+400% stretch).
- Compatible with cement based tile adhesives.
- High strength & puncture resistance.
- Resistant to a wide range of pollutants and chemicals (excluding caustics and corrosives).
- Tar and bitumen free.

SUBSTRATES

Multithane UV is suitable for most building materials, including concrete, masonry, brick, cement render or cement topping, fibre-cement board, plaster board, timber, metal, rusty metal and pre primed bitumen membranes.

USES

Multithane UV is ideal to waterproof most applications within the building and construction industry including:

- Shower recesses and other wet areas.
- Decks, terraces, balconies (to be tiled or topped).
- Retaining walls.
- Planter boxes.
- Water retaining structures.
- Tanks.
- Roofs
- Gutters.

- Rusty gutters.
- Basement walls. – Exterior.
- Repairing pre primed bitumen Membranes.

N.B. Confirmation of suitability should be sought from the company regarding individual projects.

INSTRUCTIONS FOR USE.

Preparation: Surfaces must be clean, dry sound, free from oils, waxes, loose rust, other loose matter and other contaminants which can affect adhesion and life of the product. All cracks, holes, sharp protrusions must be repaired and smoothed with fillers which do not affect adhesion of Multithane UV. Damp porous surfaces must be primed – refer to 'Damp Surfaces', under priming. Concrete surfaces containing air holes should be bagged with 4.1 sand & cement slurry & smoothed.

PREPARED JOINTS

Expansion and Construction joints, corners, large cracks and penetrations must first be sealed with a suitable sealant, i.e. Brick and Concrete Silicone for concrete, masonry and fibre cement products. Polyurethane sealant for plywood and timber. Roofing silicone for metal roofs. Cover joints with DURAM BOND BREAKER TAPE and then apply a 150mm wide coat of Multithane UV over the tape. Into this coat bed the 100mm wide DURASCIM reinforcing fabric. Apply a saturation coat immediately ensuring the fabric is completely flooded. All air bubbles must be worked out. Refer 'Joint Detail and Instructions' sheets.

APPLICATION

Provide good ventilation, wear protective clothing, goggles and gloves. Apply Multithane UV by brush, broom, notched trowel or airless spray.

Fully Reinforced System:

Where excessive substrate movement is expected use one metre wide DURASCIM reinforcing fabric over total area, after first taping all joints with DURAM BOND BREAKER TAPE.

Embed DURASCIM into the first wet coat and work in with a fluted metal roller

or brush, apply a saturation coat immediately ensuring the fabric is completely flooded. Overlap joints by 50mm. Do not stretch or wrinkle the fabric. Bubbles must be worked out. Apply a further two coats of Multithane UV as per instructions 'For Horizontal Surfaces'.

For Horizontal surfaces:

(e.g. Decks, Roofs, etc.)

After first taping and reinforcing all joints etc., see 'Prepared Joints' or using the 'Fully Reinforced System'. Mark the area to be covered into squares of one metre x one metre. Using a measuring jug, measure out the correct quantity per square metre per coat of Multithane UV. 'See Coverage' and decant the Multithane UV on to the marked square. Using a 6mm triangular notched trowel spread the Multithane UV uniformly within that square and smooth with a 75mm or 100mm paint brush. Move onto the next square and repeat the process until the whole area to be covered is complete. Repeat the same process for the second coat.

For Vertical Surfaces:

(e.g. Walls, Parapets etc.)

Apply Multithane UV by brush, or airless spray, ensuring that the correct coverage rate is followed.

Care must be taken not to damage the Multithane UV membrane during and after application.

PRIMING

New Galvanised Iron: Acid etch with diluted phosphoric or hydrochloric acid, flush with fresh water, let dry and coat with Multithane UV as per instructions. Porous and or dusty surfaces should be primed with AZCOSEAL. Rusty surfaces do not need priming but must be free of loose and flaking rust.

When priming of non metal substrates use DURAM AZCOSEAL (drying time of 1 – 2 hours). If Multithane UV is not applied to the AZCOSEAL within 48 hours the area should be re primed. Damp concrete surfaces should be primed with DURAM PRIMESEAL. Bituminous surfaces need to be primed with DURAM PRIMESEAL.

COVERAGE

On a flat surface apply a minimum of two coats at the rate of 0.75lt. per square metre per coat. Where DURASCIM REINFORCING FABRIC is used i.e. joints etc. the coverage rate will be 1.00 to 1.25 lt. per square metre per coat. Coverage is dependant upon type, porosity, texture and application technique.

Important

The finished minimum dry film thickness must be at least 1.2mm.

TILING

Multithane UV must be fully cured before tiling. Use only two pot cement based tiling adhesive or 'DURAM TILE BOND'.

PAINTING

Cured Multithane UV can be painted with exterior acrylic paints. DURAM PRIMESEAL will enhance the adhesion of the acrylic paint.

Additional Information:

BACK FILLING:

Protect Multithane UV against damage with a minimum of 18mm Styrofoam sheets or rigid boards.

Foot Traffic Areas:

Protect Multithane UV with a suitable topping i.e. tiles, artificial grass, concrete, wooden decking etc. DO NOT FASTEN THROUGH THE MULTITHANE UV MEMBRANE.

Limitations:

Multithane UV should not be applied if rain is imminent.
Multithane UV is not suitable as a trafficable membrane.

Intercoat Contamination:

Ensure the membrane does not become contaminated between coats.

Storage:

Multithane UV is flammable until cured. Store containers in a cool, dry place. Avoid storage of partly filled containers. Leave lids off empty containers and when fully dried out dispose with household rubbish.

Quality Control:

Multithane UV is subject to stringent manufacturing quality control and batch testing.

However, as Multithane UV is a moisture curing product some skinning may occur. This will not affect the performance or quality of the balance of the product. Any skin should be cut away and discarded. Avoid storage of open cans. The product batch number is located on the side of the can.

Packaging:

1lt, 5lt and 15lt pails.

CAUTIONS / FIRST AID

- . Keep out of the reach of children.
- . Class 3 Flammable Liquid. . Keep Away from heat, sparks and open flame.
- . Swallowed: Do not induce vomiting - give a glass of water.
- . Eye: Flush eye with copious amounts of water.
- . Skin: Remove contaminated clothing - wash skin thoroughly with soapy water.
- . Inhaled: If overcome by fumes - remove from contaminated area and apply first aid - seek medical advice.

Clean Up:

Wet tools, brushes and spray equipment can be cleaned and uncured Multithane UV can be removed using DURAM SOLVENT.

Precautions:

Risk is considered low when properly used but it is important to observe precautions on the can and Material Safety Data Sheet.

TECHNICAL INFORMATION

Cure Time	8 to + - 24hrs
Elongation	400%
Specific Gravity	1.16 - 1.20
Content Less VOC's	82
Shore Hardness	+ - 78
Water Absorption%	1.0 - 1.5
Tensile Strength	+ - 2.0 Mpa
Service Temperature	+ - 20 to 100C.
Hydrostatic Pressure Resistance	70 Kpa.
Appearance	Coloured viscous liquid
Clean Up	Duram Solvent to clean equipment.
Flash Point	44C.
Application Temperature	10c to 35C (ambient)
Shelf Life	6 months unopened.

NB: This data sheet does not constitute a full specification as site conditions and requirements vary. Confirmation of suitability should be sought from the Company regarding specific projects.

NOTICE:

Our only obligation shall be to replace or pay for any material proved defective. Beyond the purchase price of material supplied by us we assume no liability for damages of any kind and the user accepts the product 'as is' and without warranties, express or implied. The suitability of the product for an intended use be solely up to the user.

DURAM INDUSTRIES NZ LTD

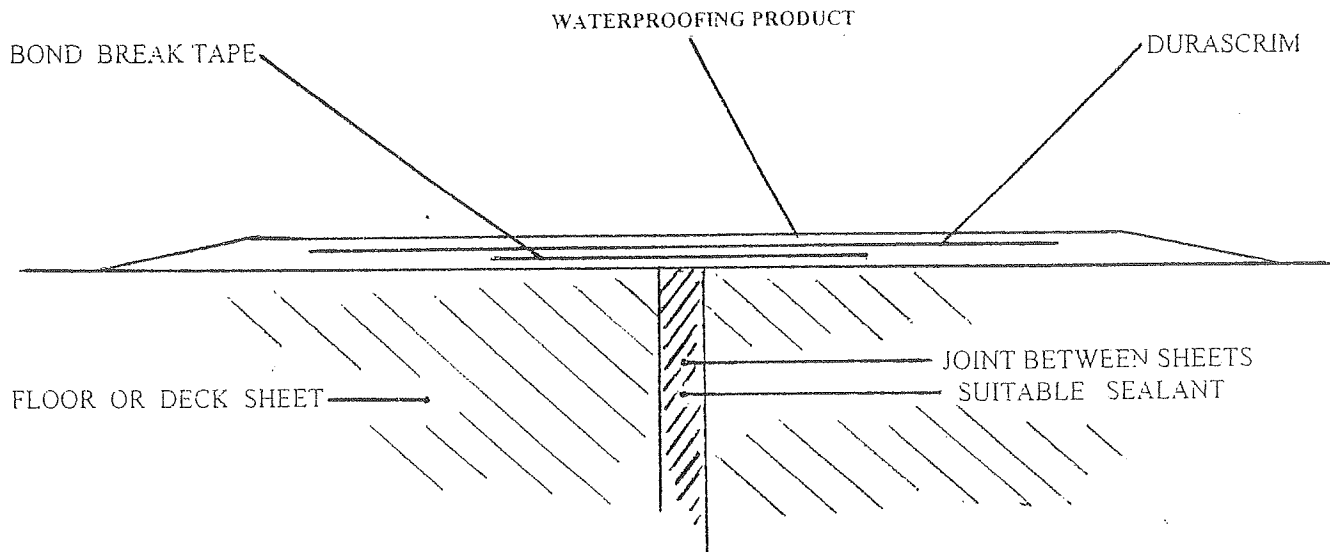
* LIQUID MEMBRANES * WATERPROOFING CEMENTS * NON-SLIP COATINGS * SEALERS*
UNIT 3, NO. 65 ELIZABETH KNOX PLACE, MT WELLINGTON, AUCKLAND, NEW ZEALAND
PO BOX 25-483, ST HELIERS, AUCKLAND. PH: (09) 527 0551, FAX: (09) 527 0552



DURAM INDUSTRIES NZ LTD
Specialists in Waterproofing and Roofing Membrane Systems.

JOINT DETAIL AND INSTRUCTIONS

For use with Duram Waterproofing membranes -

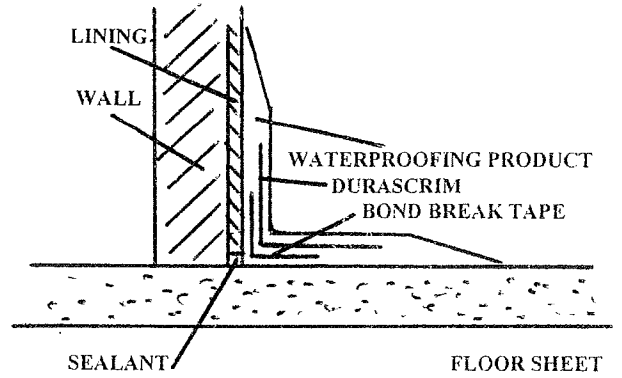
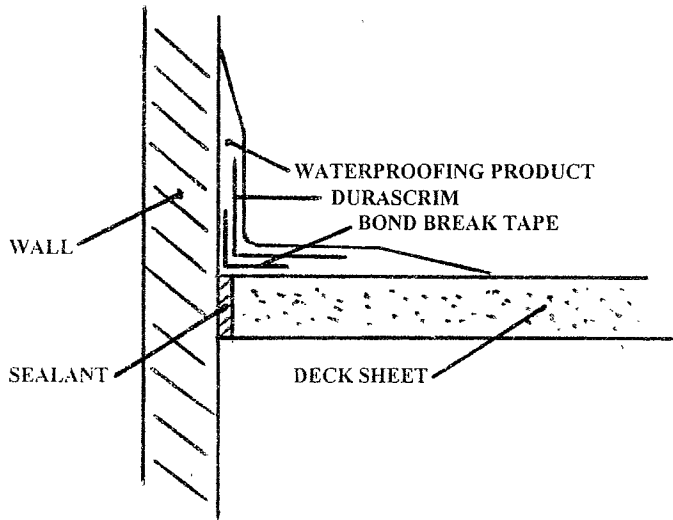


1. Where possible fill joint with a suitable elastomeric sealant and make flush with floor or deck sheets.
2. Stick down "Bond Break Tape" directly to floor or deck sheets centred over the sealant and along the length of the joint.
3. Apply a liberal coat of the waterproofing product over the "Bond Break Tape". This coat must be approximately 150mm wide and centred over the "Bond Break Tape".
4. Into this wet coat over the "Bond Break Tape" bed the "Durascrim" reinforcing fabric along the length of the joint, ensuring it is centred over the "Bond Break Tape".
5. Immediately apply a saturation coat over the "Durascrim" ensuring that all wrinkles and air bubbles are worked out.
6. These instructions must be read in conjunction with the product data sheet and application specification.

• LIQUID MEMBRANES • SHEET MEMBRANES • NON-SLIP COATINGS • SEALANTS •

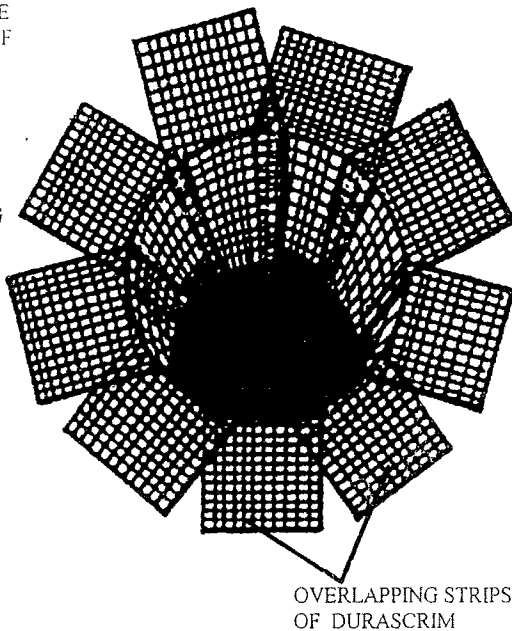
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DECK OR FLOOR TO WALL JOINT DETAIL

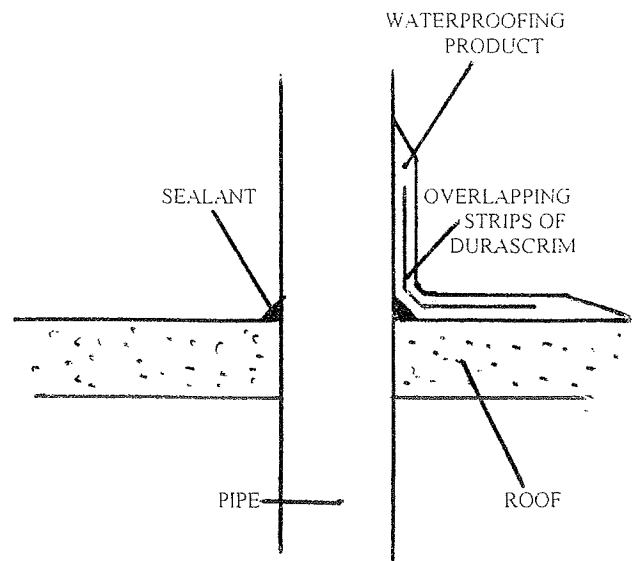


OUTLET AND ROOF PENETRATION JOINT DETAILS

FOR OUTLETS USE
PRECUT STRIPS OF
DURASCIM
TURNED DOWN
IN OVERLAPPING
STRIPS BEDDED
INTO A LIBERAL
COAT OF THE
WATERPROOFING
PRODUCT AND
IMMEDIATELY
APPLY A
SATURATION
COAT.



FOR ROOF
PENETRATIONS USE
THE SAME METHOD
BUT THE STRIPS OF
DURASCIM WILL
BE FOLDED UP THE
OUTSIDE OF THE PENETRATION.





DURAM INDUSTRIES NZ LTD

Specialists in Waterproofing Systems

DURAM BOND BREAKER TAPE

A specialised adhesive tape incorporating an
18mm non stick centre strip for application
over movement joints under waterproofing
membranes. - ie Duram 195, Durabit and Azcoflex.
Duram Bond Breaker Tape will adhere to most
substrates and is particularly useful over chalky,
aged concrete and fibre cement board.

50mm x 10m
50mm x 30m



BOND BREAKER TAPE

For
Movement joints under Waterproofing Membranes



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PRODUCT DATA SHEET

DURAM DURASCRIM

DESCRIPTION

Open weave polyester reinforcing fabric for use with DURAM 195, DURABIT, DURAM RAINKOTE and other membranes where a build-up system is required.

PRINCIPAL USES

With DURAM 195, DURABIT RAINKOTE and other membranes: Over roof and other areas where cracking or movement of the substrate is expected.

With DURAM 195 & DURABIT: In shower recesses and other wet areas.

With DURAM 195 & DURABIT: For bridging joints.

With DURAM RAINKOTE: For trafficable waterproofing of roofs, balconies, patios, decks, etc.

With DURAM RAINKOTE: For waterproofing parapet walls.

APPLICATION

Embed DURASCRIM into wet membrane and overcoat. DURASCRIM should be cut to size prior to application of membrane.

PACKAGING

For large roof areas: Rolls of 1 metre x 50 metres.

100MM x 10M ROLLS
100MM x 50M ROLLS

The information contained herein is given in good faith based upon our experience, knowledge and current information but without guarantee and the company accepts no liability whatsoever for its accuracy nor loss or damage arising therefrom. The information is given as a guide only and should not be construed as a full specification. Further information should be sought from the company or agents regarding specific projects or applications.

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