



# PRODUCT DATA SHEET

## DURABIT EF

### DESCRIPTION

**DURABIT EF** (Extra Flex) is a brushable elasticised, UV resistant, synthetic rubber water-based, environmentally friendly waterproof membrane available in grey. Durabit EF is designed for use in demanding waterproofing internal and external applications and areas of significant movement, e.g. timber substrates. It cures to form a durable, elastic, odourless, and seamless impervious membrane. It will not re-emulsify once it has fully cured even if continually immersed in water, nor stain grout or tiles, Durabit EF has excellent resistance to hydrostatic pressures.

### USES

**DURABIT EF** has been specifically formulated for most waterproofing requirements including the long term waterproofing of wet areas within buildings (shower recesses, bathrooms, laundries), concrete and timber decks, terraces, balconies, roofs, flashings, planter boxes, retaining walls and more. It is suitable for tiling or topping.

**Important:** Confirmation of suitability and application specification should be sought from the Company regarding its use.

### SUBSTRATES

Suitable for cementitious, concrete, masonry, fibre-cement and compressed sheeting, plaster board, timber, brick and render. When timber is used in wet areas only suitably approved flooring systems should be used. Metal surfaces must be suitably primed, with a metal primer. Durabit EF may be applied to damp surfaces although freedom from surface water and continual dampness is essential. Damp surfaces will increase drying/curing times. Surfaces must be clean, dry, sound, free from oils, waxes, dust and other contaminants which can affect adhesion and life of the product.

### APPLICATION

Stir well. Apply by brush, broom, 6mm triangular knotted trowel, or spray. A minimum of two coats are required, spray - single coat. To perform correctly the final dry film thickness must be at least 1mm. The second coat should be applied at right angles to the first as soon as the preceding coat is dry, or no longer than 24 hours after the first coat is applied. If the period exceeds 24 hours then the preceding coat must be solvent wiped using Methyl Ethyl Ketone (M.E.K.) solvent before applying the next coat.

Durabit EF is suitable for use with reinforcing fabric (Durascrium) as described in Movement Areas. Prime excessively porous and dusty surfaces with Durabit EF diluted up to 10% with clean water. For substrates with solar induced vapour transmissions which can cause bubbles in the membrane, first prime with 'Duram W.B. Primer' in accordance with label instructions.

**IMPORTANT:** If exposed to weather do not apply if rain is likely before each coat is completely dry, not below 5 degrees C.

### WET AREAS AND MOVEMENT AREAS.

Where potential movement of the substrate is expected such as floor and wall corners of shower recesses, wet areas, floor joints, cracks and expansion joints, Duram Bond Breaker tape should be laid over these areas. A generous 150mm wide coat of Durabit EF should be applied over these areas into which Durascrium reinforcing fabric should be embedded followed by a saturating coat (ensure that the reinforcing fabric is completely saturated) and allowed to dry. A second coat should be applied ensuring that the fabric is completely covered. Large or cracked concrete areas should have reinforcing fabrics throughout.

### WASTE OUTLETS

Flange fittings are recommended. The reinforced membrane should be laid over an area 150mm around the outlet and up and onto the flange plate finishing to an internal clean edge. Where no flange is used the reinforced membrane should be laid in overlapping strips from 150mm around the outlet (which should be cut level with the floor) to 30mm inside it.

### COVERAGE, CURING AND STORAGE.

Primer (Diluted with water up to 10%): 0.3-0.4 litres per sq. metre, if required. Un-reinforced: 1.5 litres per sq. metre finished. Reinforced: 2 litres per sq. metre, finished. Coverage may vary depending upon type and porosity of substrate. Average drying time is 2 to 4 hours per coat at 24 degrees C. Damp surfaces and colder weather will increase drying times. Can be stored up to 12 months in sealed containers.

### CLEAN UP

Utensils, and minor spills can be cleaned with water if still wet. Cured Durabit EF can be cleaned with Duram Solvent.

### PACKAGING AND COLOUR

Available in grey, in one, four and twenty litre cans.

### TILING

Durabit EF must be completely dry before tiling. Tiles are easily bonded to the membrane using only solvent-free flexible cement base tile adhesives e.g. 'Duram Tile Bond'. Strict compliance with the adhesive manufacturers instructions are essential.

For further information contact Duram Industries NZ Ltd.

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## PRECAUTIONS

Durabit EF is user friendly. Nevertheless, avoid contact with the skin and eyes. If poisoning occurs contact a doctor or the poison information centre. Do not induce vomiting. Give water to drink. The use of gloves and eye protection is recommended.

## TESTING

Durabit EF has been extensively tested. Tests include shore hardness, weathering resistance, bond strength water vapour permeability, slant shear strength (bonding), hydrostatic pressure, tensile and elongation and many more. Test results are available upon request.

## TECHNICAL INFORMATION

Shelf Life: 12 months in unopened containers.

Storage: In a cool dry environment. Do not allow to freeze.

Cure time: 2 to 4 hours @ 25 degrees C

Appearance: White or grey viscous liquid.

Clean up: Water if wet, solvent if dry.

Dilution Maximum 10% with water.

Application Temperature: 5 to 40 degrees C.

Positive Water Pressure: Minimum 0.2N/mm (=20 metre head of water).

Slant Shear Strength: Above 20N/mm after 28 days.

Tensile Bond Strength: Above 2N/mm after 14 days.

Water Vapour Permeability: <4g/m/24 hours @ 25C/75%RH.

Chemical Resistance: Very good resistance to alkalis and most acids.

Carbon Dioxide Permeability: Resistance of 100 metres of still air. (Minimum 50 metres is recommended.)

Shore Hardness: Shore A 70.

Tensile/Elongation:

2.6N/mm - 7days

6.6N/mm - 21 days

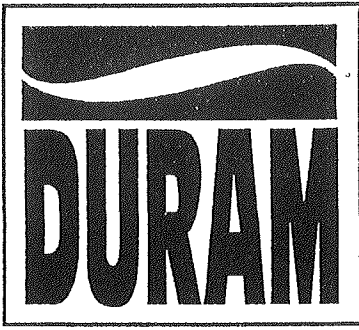
580% - 21 days

Volatile Content: + - 45% by volume.

Specific Gravity: 1.10.

Viscosity: 3500 - 5500cps.

Data quoted is typical but does not constitute a specification.

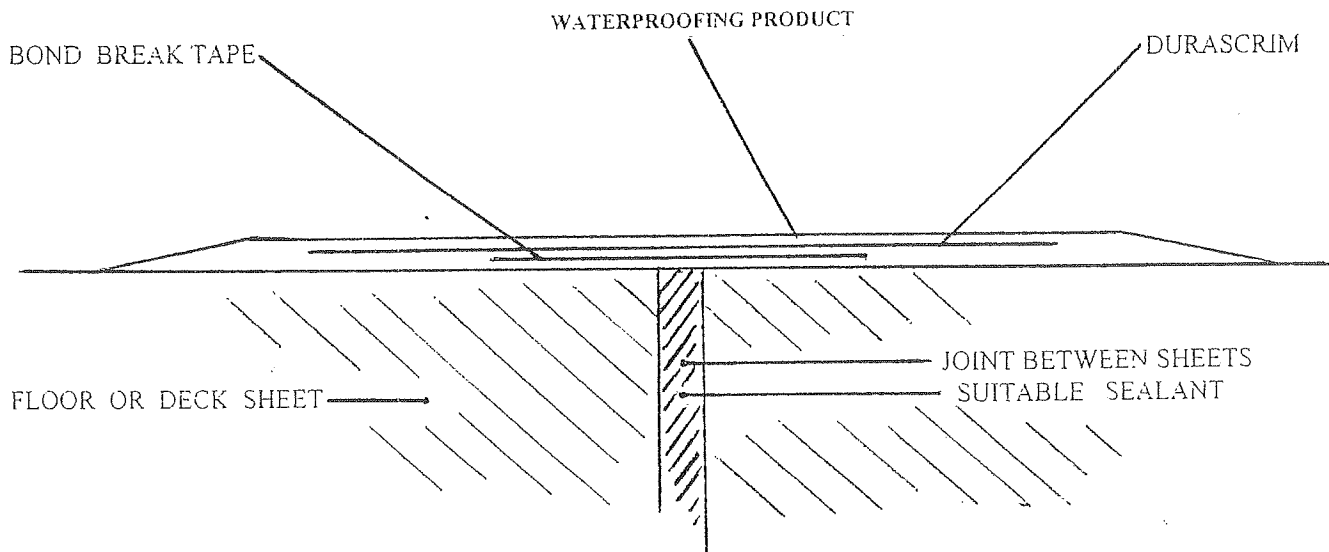


# DURAM INDUSTRIES NZ LTD

*Specialists in Waterproofing and Roofing Membrane Systems.*

## JOINT DETAIL AND INSTRUCTIONS

For use with Duram Waterproofing membranes -

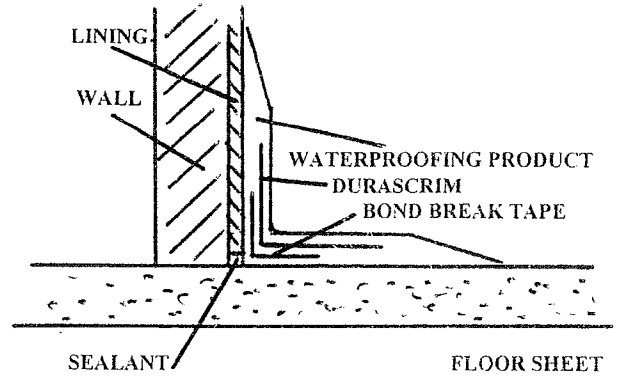
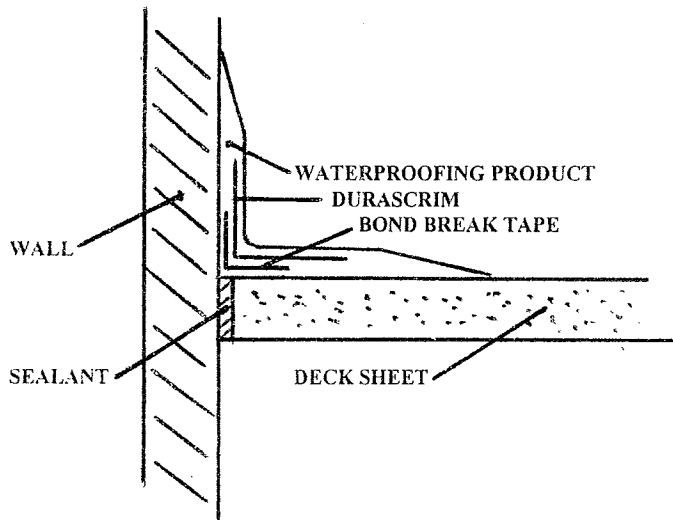


1. Where possible fill joint with a suitable elastomeric sealant and make flush with floor or deck sheets.
2. Stick down "Bond Break Tape" directly to floor or deck sheets centred over the sealant and along the length of the joint.
3. Apply a liberal coat of the waterproofing product over the "Bond Break 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 •

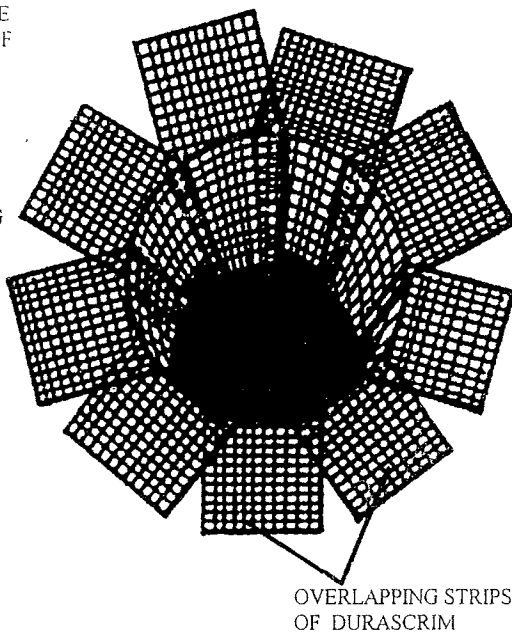
UNIT 3, NO 65 ELIZABETH KNOX PLACE, MT WELLINGTON, AUCKLAND, NEW ZEALAND  
PO BOX 25-483, ST HELIERS, AUCKLAND. PH: (09) 527 0551, FAX: (09) 527 0552

## DECK OR FLOOR TO WALL JOINT DETAIL

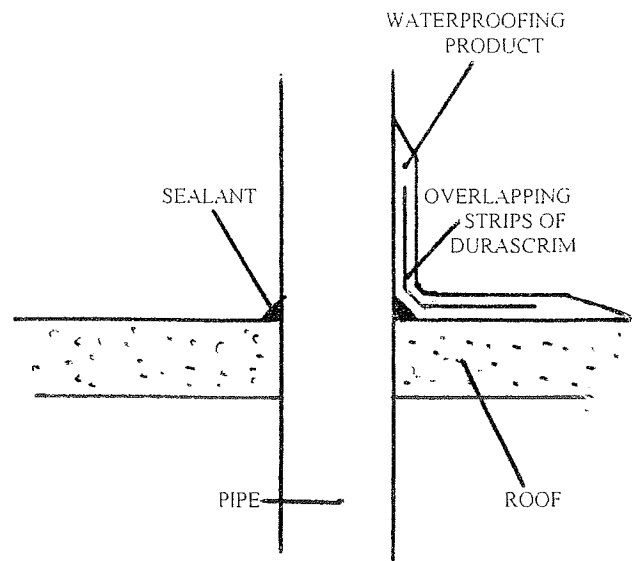


## OUTLET AND ROOF PENETRATION JOINT DETAILS

FOR OUTLETS USE PRECUT STRIPS OF DURASCRI M 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 DURASCRI M 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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# DURAM DURASCRIM

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## 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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