



Sealex

Waterproofing Systems, Sealers & Sealants

TYPICAL MEMBRANE APPLICATION SHEET No.PU513/UV

A

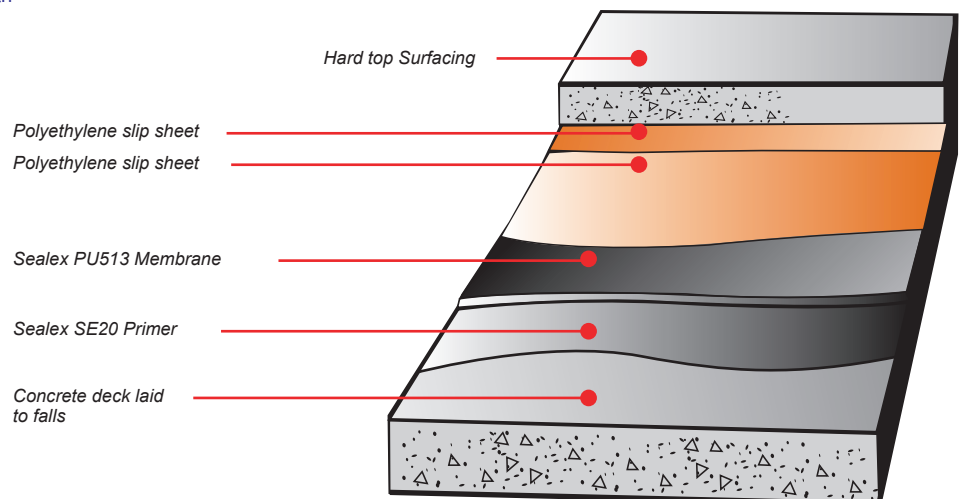
Sealex PU513 ONE PART POLYURETHANE

Description:

Flexible, UV Stable, Moisture cured polyurethane membrane suitable for use on light foot traffic roofs

Features:

- a) Low V.O.C
- b) Quick Drying
- c) High Flexural & Tensile Strength
- d) 10 Year Warranty
- e) UV stable
- f) Chemical resistant
- g) Seamless Membrane



Typical Uses:

- a) Terrace Roofs & Balconies
- b) Under tile applications
- c) Retaining Walls
- d) Basements

Draft Specifications:

The Waterproofing Specification is to be Sealex PU513 membrane system incorporating Sealex PJS 600 sealant at floor and wall junctions as supplied by Sealex Industries 1300 555 955. The membrane system is to be applied to the substrate in accordance with the manufacturer's printed recommendations and Australian Standard AS3740 - 2004.

Sealex Industries

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TYPICAL MEMBRANE APPLICATION SHEET No.33C

A

Polyflame No. 33

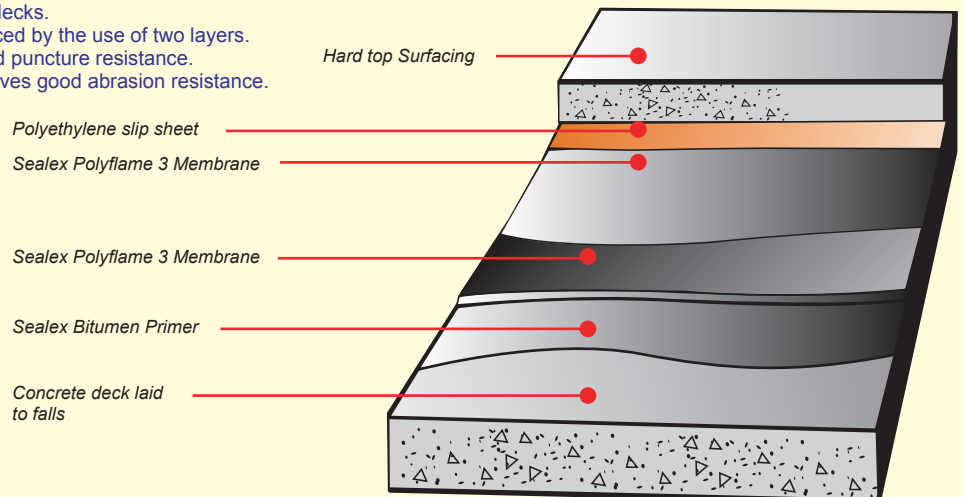
2 LAYER SHEET MEMBRANE WITH CONCRETE PAVING SLAB LAID OVER

Description:

A two layer, Atactic Polypropylene modified bituminous torch-on membrane system with a polyester reinforced, top layer and a polyester reinforced, underlay. May be fully torch bonded to the substrate if covered by one of the surfacing materials listed below. Not recommended for application to combustible substrates such as timber decks.

Features:

- (a) Good fatigue endurance over concrete decks.
- (b) Problems due to lap failure greatly reduced by the use of two layers.
- (c) Polyester reinforced top layer gives good puncture resistance.
- (d) Approximately 7 mm overall thickness gives good abrasion resistance.
- (e) Covered by Manufacturer's Guarantee.



Performance Data

(a) Fatigue Endurance Index:	: 273
(b) System Cost Index:	: 36
(c) Performance Cost Ratio:	: 76

Substrates

(a) Concrete decks to falls (b) Compressed fibre cement sheets to falls.

Roof Pitch

Recommended 1:60, minimum 1:80

Surfacing Materials

Clay, terrazzo or concrete tiles on sand/cement bed. Sand/cement bed to be divided into bays with movement joints every 3m to 4m in either direction. 500um polyethylene separating layer to be laid under sand/cement bed with 100mm laps at joints.

Draft Specification

The waterproofing membrane is to be a 2-layer Sealex Polyflame No.33C built-up system as supplied by Sealex Industries phone 1300 555955. The membrane system is to be applied to the substrate in accordance with the manufacturer's printed recommendations. Before laying membrane, prime concrete deck with Bitumen Primer at the rate of 5sq.m. per litre and allow to dry. The Polyflame 3, is to be fully torch bonded to the horizontal areas of the primed deck using an LP Gas torch. The second layer, Polyflame 3, is to be fully torch bonded to the first layer by the same method. All side laps are to run parallel with the roof slope. Side laps in both layers are to be 75mm minimum and end laps 100mm minimum. Laps in the second layer are to be staggered between those of the first layer. Upstands in each layer are to be formed using separate apron pieces with laps staggered. Upstands exposed to U.V. light are to have a top layer of Polyflame Slate or be protected by metal overflashings or other suitable solar protective finish. Penetration details are to be formed in accordance with manufacturer's instructions.

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TYPICAL MEMBRANE APPLICATION SHEET NO. 04PIC4

A

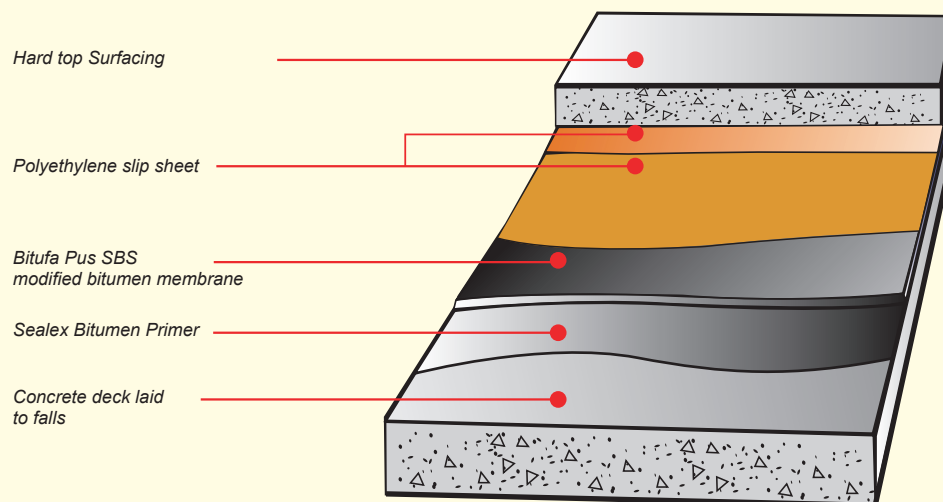
Bitufa Plus 04P PREMIUM SHEET MEMBRANE WITH CONCRETE PAVING SLAB LAID OVER

Applications:

Terrace Roofs, Podiums, Balconies and Deck Areas incorporating a heavy duty single layer sheet applied waterproof membrane with insitu concrete paving laid over.

System Description:

Bitufa Plus, glass/polyester fibre stabilised, self healing SBS, modified bitumen torch applied sheet membrane overlaid with two layer polyethylene film slip sheet followed by a cast insitu concrete paving slab.



Membrane Features:

- | | | |
|--|---|--|
| a) High fatigue endurance | e) 1000% stretch - Unreinforced Flexobit Membrane | i) Laps can be welded with hot air welders |
| b) 50% more SBS than standard membrane | f) No added oils or fillers | j) Economical Systems |
| c) Self healing | g) 20 years manufacturers guarantee | |
| d) Homogeneous welded laps | h) Perfect adhesion due to high content of SBS | |

System Components:

- Bitufa Plus for upstands & main areas
- Flexobit for detail work
- UFO's for outlets and vents

Substrates:

- Concrete decks laid to falls

Substrate Falls:

Recommended 1:60, minimum 1:80

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TYPICAL MEMBRANE APPLICATION SHEET NO. 04PIC

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Bitufa Plus 04P PREMIUM SHEET MEMBRANE WITH CONCRETE PAVING SLAB LAID OVER

Draft Membrane Specifications:

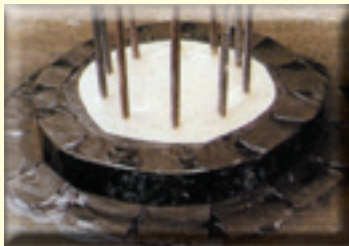
The waterproof membrane to the covered areas is to be the Bitufa Plus 04P torch applied sheet membrane system, as supplied by Sealex Industries, phone 1300 555 955. The Bitufa Plus 04P membrane is to be laid in accordance with manufacturer's written instructions. Before commencing membrane installation the concrete substrate is to be thoroughly prepared so as to be dry, clean, smooth, firm, continuous and free of any matter likely to impair the adhesion of the membrane. Where the deck has become contaminated by traffic from other trades, or where there is a possibility of residues of membrane curing compounds remaining on the surface, the deck should be carefully abrasive or water blasted and, as necessary, allowed to dry.

Before laying Bitufa membrane, prime the concrete deck with Sealex Bitumen Primer at the rate of 5 sq.m. per litre and allow to dry. The Bitufa Plus 04P membrane is to be torched to the horizontal areas of the primed deck using an LPGas torch applied to the underside of the roll and continuously along the overlap edges. The membrane sheets are to be positioned so that all side laps run parallel to the roof slope. Laying is to commence at the lowest point in cross falls so that all laps run with the falls in shingle fashion. Adjacent end laps are to be staggered so as not to coincide with one another. Side laps are to be 75mm minimum and end laps 100mm minimum.

N.P. After laying the Bitufa Plus membrane to the horizontal areas of the deck form upstands using separate apron pieces of plain finished Bitufa Plus membrane with laps staggered. After forming all upstands, use plain finished Bitufa Flexobit to detail all corners and penetrations. Use Bitufa Flexobit UFO's to detail cast-in outlets and vents. Cast-in outlets are to be detailed before commencing to lay horizontal membrane areas. As an alternative to the LPGas torch, sealing of side laps and detail work in the Bitufa membranes can be done with a hot air welding torch if preferred.

After completion and thorough checking of the Bitufa Plus / Flexobit membrane system, laying of the insitu concrete paving may be carried out in the following manner:-

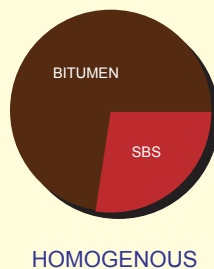
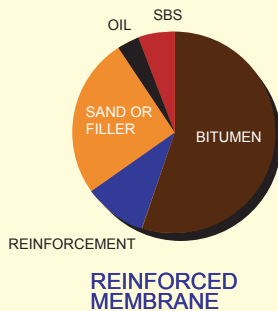
Overlay membrane with a first layer of minimum 200mm thick polyethylene sheeting with all joints lapped and taped. Overlay first lay of polyethylene sheeting with a second layer of the same material lapped and sealed in the same way. Place reinforcing mesh over polyethylene slip sheets and support on flanged plastic mesh supports. If wire mesh supports are used these are to be placed on sheet metal pans to prevent piercing of the membrane. Pour the concrete slab using care not to damage the membrane with shovels or other tools



DETAIL AT PILE, USING SBS MODIFIED BITUMINOUS REINFORCED MEMBRANE



DETAIL AT PILE, USING 20% SBS MODIFIED HOMOGENOUS BITUMINOUS MEMBRANE



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TYPICAL MEMBRANE APPLICATION SHEET No.33P

A

Polyflame No 33 PAVED WATERPROOF MEMBRANE SYSTEM

Description:

A quality two layer, Atactic Polypropylene modified bituminous torch-on membrane system with a polyester reinforced, top layer and a polyester reinforced, underlayer. Not recommended for application to combustible substrates such as timber decking.

Features:

- (a) High fatigue endurance over concrete decks.
- (b) Problems due to lap failure greatly reduced by the use of two layers.
- (c) Two polyester reinforcing mats give high puncture resistance.
- (d) Approximately 7 mm overall thickness gives added puncture and abrasion resistance.
- (e) Covered by Manufacturer's Guarantee.

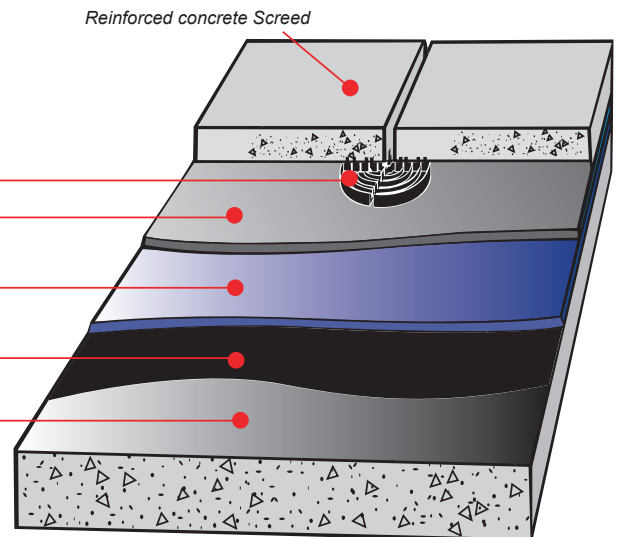
Sealex Paver Support Pad

Sealex Polyflame 3 membrane

Sealex Polyflame 3 membrane

Sealex Bitumen Primer

Substrate laid to falls



Performance Data

(a) Fatigue Endurance Index:	: 450
(b) System Cost Index:	: 39
(c) Performance Cost Ratio:	: 115

Substrates

Substrates

(a) Concrete decks laid to falls (b) Compressed fibre cement sheets to falls.

Substrate Falls

Recommended 1:60, minimum 1:80

Surface Materials

Reinforced concrete slabs on Sealex Paver Support Pads.

Draft Specification

The waterproofing membrane is to be a 2-layer Sealex Polyflame 33P built-up system as supplied by Sealex Industries phone 1300 555 955. The membrane system is to be applied to the substrate in accordance with the manufacturer's printed recommendations. Before laying membrane, prime concrete deck with Sealex Bitumen Primer at the rate of 5 sq.m. per litre and allow to dry. The Polyflame 3 Underlayer is to be fully torch bonded to the horizontal areas of the primed deck using an LP Gas torch. The top layer, Challenger Talc, is to be fully torch bonded to the underlayer by the same method. All side laps are to run parallel with the roof slope. Side laps in both layers are to be 75mm minimum and end laps 100mm minimum. Laps in the top layer are to be staggered between those of the underlayer. Upstands in each layer are to be formed using separate apron pieces with laps staggered. Upstands exposed to U.V. light are to have a top layer of Polyflame 4 Slate or be protected by metal overflashings or other suitable solar protective finish. Penetration details are to be formed in accordance with manufacturer's instructions.

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TYPICAL MEMBRANE APPLICATION SHEET No.33T/CT

A

Polyflame No 33T

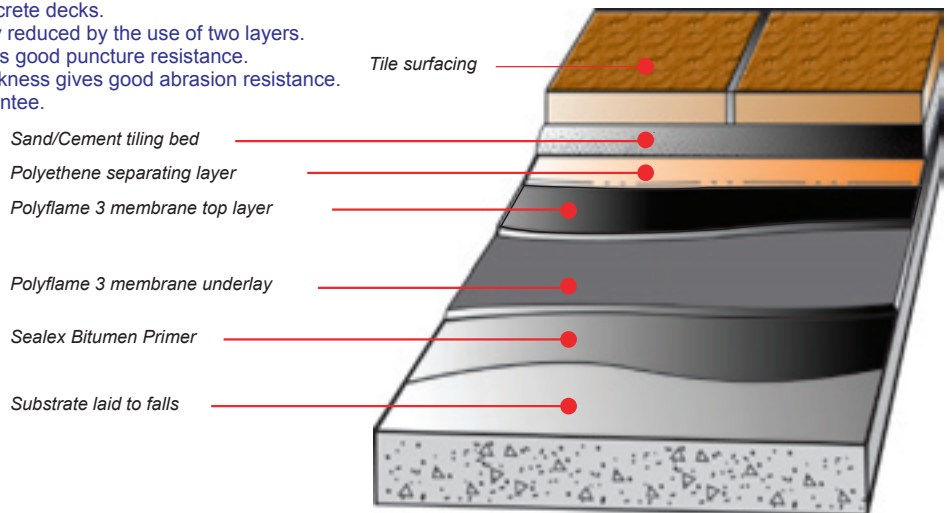
2 LAYER SHEET MEMBRANE WITH SAND/CEMENT & TILES LAID OVER

Description:

A two layer, Atactic Polypropylene modified bituminous torch-on membrane system with a polyester reinforced, top layer and a polyester reinforced, underlay. May be fully torch bonded to the substrate if covered by one of the surfacing materials listed below. Not recommended for application to combustible substrates such as timber decks.

Features:

- (a) Good fatigue endurance over concrete decks.
- (b) Problems due to lap failure greatly reduced by the use of two layers.
- (c) Polyester reinforced top layer gives good puncture resistance.
- (d) Approximately 7.5 mm overall thickness gives good abrasion resistance.
- (e) Covered by Manufacturer's Guarantee.



Performance Data

(a) Fatigue Endurance Index:	: 273
(b) System Cost Index:	: 36
(c) Performance Cost Ratio:	: 76

Substrates

- (a) Concrete decks to falls
- (b) Compressed fibre cement sheets to falls.

Roof Pitch

Recommended 1:60, minimum 1:80

Surfacing Materials

Clay, terrazzo or concrete tiles on sand/cement bed. Sand/cement bed to be divided into bays with movement joints every 3m to 4m in either direction. 500um polyethylene separating layer to be laid under sand/cement bed with 100mm laps at joints.

Draft Specification

The waterproofing membrane is to be a 2-layer Sealex Polyflame No.33T built-up system as supplied by Sealex Industries phone 1300 555 955. The membrane system is to be applied to the substrate in accordance with the manufacturer's printed recommendations. Before laying membrane, prime concrete deck with Bitumen Primer at the rate of 5sq.m. per litre and allow to dry. The Polyflame Underlayer, is to be fully torch bonded to the horizontal areas of the primed deck using an LP Gas torch. The second layer, Polyflame Talc, is to be fully torch bonded to the first layer by the same method. All side laps are to run parallel with the roof slope. Side laps in both layers are to be 75mm minimum and end laps 100mm minimum. Laps in the second layer are to be staggered between those of the first layer. Upstands in each layer are to be formed using separate apron pieces with laps staggered. Upstands exposed to U.V. light are to have a top layer of Polyflame Slate or be protected by metal overflashings or other suitable solar protective finish. Penetration details are to be formed in accordance with manufacturer's instructions.

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