

## [ TECHNICAL BULLETIN ]

SPECIFY ASTEC POLYESTER REINFORCEMENT FABRICS

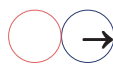
YOUR EASE IN WRINKLE FREE REINFORCEMENT OF LIQUID MEMBRANES

Deckweb



### PRODUCT TYPE

Spun bonded polyester reinforcing fabric.



### DESCRIPTION / USE



1.1 Deckweb for reinforcing plaza decks, trafficable roof-top parking decks, balconies, roofs, wet areas and shower trays.

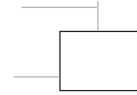
Reinforced acrylic elastomeric coatings have long been used as a positive method for waterproofing continually moving splits and seams on building construction surfaces. To date many applicators and specifiers have persisted with the use of fibreglass for reinforcing because of its generic flexibility. However, flexibility alone does not accommodate the elongation and recovery ability of today's coatings which possess outstanding elasticity. As a consequence, split repair failures are inevitable where the fibreglass is subject to extreme changes in temperature which extend outside its narrow elongation range. The fibreglass reinforcing tears and the crack is once again open to the effects of the weather.

**Deckweb** is a spun bonded polyester mat overlaid with a multi directional polyester web. The polyester web provides a structural rigidity to the material that is normally only associated with weighty, cumbersome mats. The material provides a high tensile strength reinforcement that is simple to use with liquid membrane coatings. Composed of 100% continuous filament polyester, deckweb offers applicators a material with unusual and very unique physical and chemical properties.

**Deckweb** is ideal for use on flat or curved surfaces that are reasonably smooth and even. This is due to its outstanding ability to lay straight and remain wrinkle free when wet up during application. Where the surface is irregular, Sontara may be more appropriate as this style of polyester fabric conforms more readily to an uneven surface.



*Astec Paints are a 100% Australian owned company committed to the research and development of technologically advanced coatings that provide premium durability against our harsh Australian conditions. Our coatings are manufactured with high regard for worker safety and environmental care and will provide you with absolute confidence in long term performance.*



## PROPERTIES

Deckweb exhibits high resistance to splitting and cracking from thermal shock, hot/cold cycling, folding/creasing and rough handling. The material is unaffected by sunlight when covered with roof coatings or aggregates and has been successfully used with a variety of roof coatings including acrylics, cutback asphalt, bitumen emulsion, elastomeric asphalt, synthetic rubber coatings, and cementitious compounds.

Deckweb will maintain its physical properties when wet and is dimensionally stable during humidity changes. The material does not rot, even after 5 years buried in the soil Deckweb retained all its original properties. It can be used in single or multiple layers for repairs, re-roofing or new work. In conjunction with suitable coatings, Deckweb can be used on podium and plaza decks, trafficable roof-top parking decks, balconies, roofs, wet areas and shower trays. It is easier to wet out and possesses superior elongation and flex-life compared with chopped strand mat or woven fibreglass. In addition Deckweb, unlike fibreglass, is non-irritating to the skin.

**NOTE:** THE CRITERIA FOR SELECTING A REINFORCING MATERIAL FOR USE WITH A LIQUID MEMBRANE COATING IS QUITE DIFFERENT TO THE SELECTION OF REINFORCEMENT FOR OTHER APPLICATIONS. ONE OF THE PROPERTIES NOT COMMONLY REQUIRED FOR THE MAJORITY OF REINFORCEMENT MATERIALS IS ELONGATION YET THIS PROPERTY IS OF UTMOST IMPORTANCE WHEN USING A REINFORCEMENT WITH AN ELASTOMERIC TOP-COATING.

Deckweb gives the applicator both a cost effective and unique option in comparison with other polyester mats due to its ability to lay fast and trouble free over large areas without wrinkles. This quality of reinforcement has long been in demand by applicators to simplify and speed up the application process.

Deckweb is an ideal reinforcement for elastomeric liquid membranes as randomly orientated fibres provide the multi directional elongation that is necessary to accommodate all mechanical deck movement and elongation of highly elastomeric membrane coatings.

Astec polyester tapes are manufactured with the ideal performance properties necessary for reinforcing the latest design elastomeric coatings. In combination with each other



PRODUCT DATA



<input type="checkbox"/>	Weight (g/m <sup>2</sup> )	40
<input type="checkbox"/>	Thickness (mm)	0.45
<input type="checkbox"/>	Elongation Length	62%
<input type="checkbox"/>	Elongation Width	75%
<input type="checkbox"/>	Packaging	Weight grams/m <sup>2</sup> Roll Size width & length
		40      50mmx50m
		40      70mmx50m
		40      100mmx50m
		40      150mmx50m
		40      200mmx50m
		40      300mmx50m
		40      400mmx50m
		40      610mmx50m
		40      1143mmx100m

the complete system offers up to 3 times the elongation to break and delivers far greater ease in application. Deckweb is manufactured from 100% polyester and possesses the necessary characteristics for reinforcing high build elastomeric coatings:



1.2 Deckweb

- High multi-directional elongation to break
- High tensile strength
- High resistance to chemicals
- Not affected by water, rot or mildew
- Resistant to temperatures up to 205°C
- Non-irritating to the skin
- Wets up easily

Deckweb is recommended for flat decks and joint sealing due to its outstanding ability to lay straight and wrinkle free when wet up during application. This quality, together with its multi directional elongation will ensure your absolute confidence in long term performance when used as reinforcement in conjunction with highly elastic liquid membrane coatings. Since its development in response to continual demand by applicators in the 1970's, Deckweb has proven to be one of the most applicator friendly, cost effective reinforcing materials available.



The technical data furnished herein is based upon data believed by Astec Paints to be true and accurate at the time of writing, however, no guarantee of accuracy is given or implied and is subject to change without notice.

This information is given in good faith for the assistance of users. No legal warranty expressed or implied is made as to its accuracy, completeness or otherwise.

Every person dealing with this material herein does so at their own risk absolutely and must make independent determinations of suitability and completeness from all sources to ensure their proper use.

We have no control over the condition under which these products are stored, handled or used, therefore our recommendations must not be regarded as a mounting to legal warranty or as involving any liability on us.



Astec Paints Australasia Pty. Ltd.  
22-24 Pinn Street, St. Marys,  
South Australia 5042  
PO Box 321, Melrose Park, S.A. 5039

Web: [www.astecpaints.com.au](http://www.astecpaints.com.au)  
Email: [enquiries@astecpaints.com.au](mailto:enquiries@astecpaints.com.au)

Telephone: +61 8 8297 2000  
Facsimile: +61 8 8297 2555

Your nearest Astec Paints distributor is:

Revised Edition June, 2015

Astec Paints Resellers;

### **Australia Wide**

For a complete list of resellers,  
please visit the Contact Page  
of our website:

**[www.astecpaints.com.au/contact](http://www.astecpaints.com.au/contact)**

### **Overseas**

Please contact Head Office.