

SHAPERS
MANUFACTURERS CO.
SURFBOARD
FIBREGLASS
THE ULTIMATE IN PERFORMANCE FIBREGLASS



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E-GLASS

SEG

Shapers® Premium E-Glass is renowned for its “ease to glass” and is highly respected for its reliability in ensuring extra-strong and ultra-clear surfboards. Shapers® has set the new industry standard across the entire E-Glass range (2oz, 4oz, 5oz, 6oz and 7.5oz options).

E-Glass Performance Analysis



Scheduling Options

Team
Deck: 1 x 4Oz SEG +
Bottom: 1 x 4Oz SEG

Standard
Deck: 2 x 4Oz SEG
Bottom: 1 x 4Oz SEG

Strong
Deck: 1 x 6Oz SEG + 1 x 4Oz SEG
Bottom: 1 x 4Oz SEG

SHAPERS® E-Glass is Available in...

2oz	4oz	5oz	6oz	7.5oz
27"	27" 30" 50"	27"	30" 42"	30"

110m & 220m Rolls
*2oz 100m Rolls

WARP E-GLASS

WEG

Shapers® Warp Enhanced cloth has a weaving format featuring a greater concentration of yarn running in the Warp (vertical direction). WARP cloth is designed to enhance tensile strength.

WARP E-Glass Performance Analysis



Scheduling Options

Team
Deck: 1 x 4Oz WARP
Bottom: 1 x 4Oz WARP

Standard
Deck: 2 x 4Oz WARP
Bottom: 1 x 4Oz WARP

Strong
Deck: 1 x 6Oz WARP + 1 x 4Oz
Bottom: 1 x 4Oz WARP

SHAPERS® E-Glass is Available in...

4oz	6oz
27" 30"	30"

110m Rolls

EXO-GLASS

HSEG

Proudly a Shapers® innovation, Exo-Glass is a world’s first blended composite featuring a unique blend of Shapers® premium S-Glass and E-Glass. EXO is purpose built to make lighter, stronger, & higher performing surfboards at an economical price.

Innovation Patented Technology
by Shapers® Australia

EXO-Glass Performance Analysis



Scheduling Options (PU)

Team
Deck: 1 x 4Oz EXO
Bottom: 1 x 4Oz EXO

Standard
Deck: 1 x 4Oz EXO + 1 x 2Oz SEG (3/4 Patch)
Bottom: 1 x 4Oz EXO

Strong
Deck: 2 x 4Oz EXO
Bottom: 1 x 4Oz EXO

SHAPERS® EXO-Glass is Available in...

4oz
27"

110m Rolls

S2 GLASS

SSG

Shapers® S2-Glass is a superior form of S-Glass that delivers significantly greater tensile and compressive strength compared to E-Glass. S2-Glass is an ideal choice for light-weight high performance surfboards or for boards requiring additional strength and durability.

S2-Glass Performance Analysis



Scheduling Options

Team
Deck: 1 x 4Oz SSG
Bottom: 1 x 4Oz SSG

Standard
Deck: 1 x 4Oz SSG + 1 x 2Oz SEG (3/4 Patch)
Bottom: 1 x 4Oz SSG

Strong
Deck: 2 x 4Oz SSG
Bottom: 1 x 4Oz SSG

SHAPERS® S-Glass is Available in...

4oz	4oz
27"	30"

100m Rolls

Notes: 2oz is considered a beneficial option for fin box patches due to its ease of use and pin hole reduction. For extra strength, a full 2oz butterfly tail patch over the fin boxes may be used. 5oz is a specialised weight that is used as a 4oz substitute on decks or bottoms where greater strength is required and 6oz is considered too heavy.

** Fibreglass Scheduling formats are presented as a guide only. Customised scheduling may also be adopted to meet specific requirements, such as Epoxy Surfboard Constructions*

● Break Resistance
Level of resistance before failure.

● Load & Release
Ability to flex & project.

● Fatigue Resistance
Prolonged performance lifespan

● Compressive Resistance
Resistance to deformation.

● Flexural Performance
Ability to improve a blanks elasticity output.

EPOXY E-GLASS EEG

Shapers® Epoxy E-Glass, a world's first for surfboards, has been specifically formulated to increase the interlaminar shear strength for epoxy laminations. Featuring enhanced mechanical properties of up to 30% compared to industry standard E-Glass, Shapers® Epoxy E-Glass significantly improves laminated compression strength, reducing fatigue and failure.

Epoxy E-Glass Performance Analysis



Scheduling Options (Epoxy Surfboards)

Team
Deck: 1 x 4Oz EEG
Bottom: 1 x 4Oz EEG

Standard
Deck: 2 x 4Oz EEG
Bottom: 1 x 6Oz EEG

Strong
Deck: 1 x 4Oz EEG + 1 x 4Oz EEG
Bottom: 1 x 6Oz SEG

SHAPERS® EEG is Available in...

4oz	6oz
30"	30"

110m Rolls

VOLAN CLOTH SVG

Volan is the original "old school" cloth, traditionally used on surfboards with heavier glass jobs that are famous for their longevity. Volan has a slight greenish tint that looks the goods on retro's and longboards. Shapers® 7.5oz Volan naturally holds more resin and is a popular choice for coloured resin works.

Volan Fibreglass has similar strength properties to E-Glass, and is most popular in 6oz. Scheduling is customised to surfboard designs.

SHAPERS® Volan Cloth is Available in...

4oz	6oz	7.5oz
27"	30"	30"

110m Rolls



Shapers® Designs, Develops & Supplies Market Leading Composites for Leading Surfboard Manufacturers Worldwide.

Shapers Surfboard Fibreglass is trusted and used by industry leading Surfboard Manufacturers throughout Australia and the world. Shapers specialist division, Shapers Composites Co., is 100% dedicated to developing the strongest, clearest, lightest and best performing fibreglass for Surfboards.

* Fibreglass Scheduling formats are presented as a guide only, customised scheduling may also be adopted to meet specific requirements