



Waterproof Sail Option Comparison – Domestic and

Item	Budget specification ✓○	Commodity specification ✓○	
	Short term solution	Medium term solution	
Fabric	Type 44 – Knitted HDPE shade cloth, monofilament/ tape with clear HDPE film. Common name Dri Z , waterproof shade cloth Typical economic life in tropics 2 – 3 years	Type 500 PVC coated PES, tarpaulin grade Common name, Master Tarp, Sancote, Tarpol, Ripstop. Typical economic life in tropics 5 to 6 years.	Type Com Typic
Seaming method	Sewn seams and perimeter reinforcement.	HF welded seams, sewn perimeter reinforcement.	Entire
Perimeter reinforcement	HDPE poly fabric type 30 – Common name Canvacon or Tarpee	PVC/PES type 50 pockets with Stainless steel wire rope type 137	Stain econ in tro
Corner reinforcement	HDPE poly fabric type 30 – Typical economic life in tropics 2 – 3 years	PVC/PES type 50 – Typical economic life in tropics 6 – 7 years	Alum econ
Eyelets	Nickel plate brass or light duty stainless steel – Suitable for light duty	Heavy duty yachting grade 316 stainless steel eyelets	Engin
Warranty	6 months against identifiable defects in membrane manufacture, from supply date	2 years against identifiable defects in membrane manufacture, from supply date	5 ya mem
Uses	Framed pergola covers and umbrellas only due to low tensile strength	Small waterproof shade sails, resort umbrellas. Maximum span 4 metres. NB will require more frequent cleaning than better quality fabric	Small mem 8 me

General Information

- 1) **Type:** Refers to tensile strength, to facilitate consumer comparison between materials performing a similar function. The test is performed on the weakest primary axis in deca-newtons per 50mm strip per AS 2001, except for wire rope which is the ultimate tensile strength.
NB 1deca-newton = 1.02 KG Force
- 2) **Warranty:** Refers to the labour performed by Aerosail, fabric suppliers also offer a warranty against UV degradation. Consumers should obtain information about the fabric manufacturer's warranty. However we recommend caution in relying upon a warranty because of the difficulty and cost of proving specific UV degradation.
- 3) **Fading:** All fabrics fade when exposed to the sun. Fading of lighter colours is less noticeable.
- 4) **Economic life:** Is an estimate based of previous experience. Factors known to shorten the economic life include exposure to harsh chemicals. Depletion of the ozone layer is an increasing environmental problem that is worse in some areas. We do not offer a guarantee
- 5) **Wrinkling:** Wrinkles in the finished product depends primarily on the type of fabric and whether it is sewn or not. HDPE fabric will definitely wrinkle more than tension membrane grade PVC because their elongation characteristics under tension are different. More than HF welded material due to the nature of the manufacturing process.