

PROTITE Fibreglass Woven Cloth & Strip Cloth

PF-FC050, PF-FC100, PF-FCS5025, PF-FCS10025

ISSUED: March 2019

INTRODUCTION

DESCRIPTION

Protite Fibreglass Woven Cloths and Strips Cloths are woven strands of fibreglass used in conjunction with **Protite Fibreglass Resin** to provide extra strength and flexibility to fibreglass, metal and timber and other rigid substrates. A common reinforcement product used with polyester resin for hand lay-up. Strips are stuck together to form a mat in differing thicknesses on uneven surfaces. **Protite Fibreglass Cloth and Strips** use the same strands as fibreglass matting but are woven rather than chopped; leaving a finish that is much smoother, stronger and more flexible.

TYPICAL USES

- Bikes, boats, casting, vacuum-cast shapes, automotive bodywork
- Fibreglass surfboards, water skis, pools and water tanks

FEATURES

- Smooth finish
- 180 gsm
- Glass type: E-Glass



TECHNICAL DATA

Appearance	White Fibre
Odour	Odourless
Specific Gravity	2.5 to 2.8
Pack Size	0.50m ² , 1.0m ² , 50mm x 2.5m, 100mm x 2.5m
GSM	180

AVAILABLE SIZES

Barcode	Code	Pack Size	Description
9312219541245	PF-FC050	0.50m ²	PROTITE FIBREGLASS CLOTH 0.50 M2
9312219541252	PF-FC100	1.0m ²	PROTITE FIBREGLASS CLOTH 1.00 M2
9312219541269	PF-FCS5025	50mm x 2.5m	PROTITE FIBREGLASS STRIP CLOTH 50MM x 2.5M
9312219541276	PF-FCS10025	100mm x 2.5m	PROTITE FIBREGLASS STRIP CLOTH 100MM x 2.5M

APPLICATION

How to use this product:

1. Safety:
 - a. Wear suitable protective clothing, rubber gloves, eye & face protection when using and handling fibreglass, resins and hardener.
2. Surface Preparation:
 - a. Prepare the surface with Protite Clean-Up Solution. Surfaces should be clean and dry and free from paint, grease and rust.
 - b. Cut the fibreglass Cloth to shape, allowing approximately 3cm overlap of the required size. Tease out the fibres along the edge of the cloth to give a feathered edge.
 - c. For larger holes you may need to glue a piece of cardboard to the back of the hole to form a base.
3. Mixing:
 - a. Only mix the required amount of resin and hardener the job requires as product will start to gel and cure in 30min at 20°C.
 - b. Typical ratios would be: 1kg resin = 1m² matting; 500g resin = 0.50m² matting; 250g resin = 0.25m² matting.
 - c. Mix the resin and hardener as per the ratio instructions (Cold Day - 2.5ml to 3.0ml of Hardener for every 100ml of resin, Hot Days 1.5ml to 2.0ml of Hardener for every 100ml of resin – 1ml of Hardener = 45 drops)
4. Application:
 - a. Brush a wet coat of resin onto the prepared surface.
 - b. Position the fibreglass cloth onto the wet resin.
 - c. Lightly dab (do not brush in) another coat over the top of the fibreglass resin remembering not to displace or move the cloth from its position.
 - d. Ensure you have thoroughly 'wet out' the fibreglass cloth before moving to the next step.
 - e. Using the roller, gently roll out the fibres to remove any trapped air, do not push roller aggressively as this may move and displace the fibreglass matting.
5. Full cure of resin is 24hrs. You may add additional layers after 24hrs, light sanding may be required to improve bonding performance between fibreglass layers.
6. Clean up with Protite Clean Up Solution

NOTE: When using or working on virgin foam ensure the foam is sealed prior to use as application of fibreglass (polyester) resin may dissolve the foam. Not suitable for epoxy surfboards.

SAFETY

Wear suitable protective clothing, rubber gloves, eye & face protection when using and handling fibreglass, resins and hardener. Also refer to the Safety Data Sheet (SDS) before use.

Disclaimer

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