

## ***FAST FILL***<sup>TM</sup> RANGE OF PRODUCTS

**SA CEILING & WALL SYSTEMS** is an Australian owned and operated business supplying and manufacturing its own Fast Fill range of products. This range of products is made to high standards using the finest raw materials and boasts a professional quality finish when the directions provided are followed.

*Keep this handy brochure in a safe place for future referral !*

### **DIRECTIONS FOR USE**

**Fast Fill Fibreglass Resin** is used in conjunction with fibreglass matting to fill any fibreglass or steel panels.

Directions for use: Before beginning project, test a small quantity first as hardener may lose its activity over long periods. Take the required amount of resin from can and place in a clean mixing bowl. Use the amount of hardener as recommended inside this brochure. Mix the resin and hardener together making sure the mix changes colour completely before using. A paintbrush can be used to apply the resin. Do not work in direct sunlight. The more hardener used the quicker the resin will set hard.

**Fast Fill BOG** is designed to bond or fill in holes and dents in metal panels of motor vehicles.

Directions for use: Remove all paint, rust grease and dirt. The surface to be filled or bonded must be clean, dry and roughened to improve adhesion. Use only enough filler for the job in hand. Thoroughly mix hardener with the filler until an even colour is obtained. Use approximately forty parts filler to one part hardener. Sets hard to any depth in five to ten minutes (controllable by hardener) and will not clog files or sandpaper. This results in easier finishing of the job.

**Fast Fill Handyman Filler** bonds or fills in repairs to metal, wood, china, plastic or concrete.

Directions for use: Remove all paint, rust, grease and dirt. The surface to be filled or bonded must be clean, dry and roughened to improve adhesion. Using approximately fifty parts filler to one part hardener, thoroughly mix the two together with a flat bladed putty knife on a clean mixing plate. Gel time is approximately five to eight minutes depending on air temperature. The filler can be smoothed down with sander or filed thirty minutes after application.

### **HANDY HINTS AND APPLICATIONS FOR FAST FILL PRODUCTS**

#### **Fibreglassing**

##### **Equipment needed:**

Scissors, newspapers (to absorb spillage), paintbrush, clean rags, sandpaper (various grades), body file, Fast Fill Fibreglass Resin, Fast Fill Fibreglass Mat, Fast Fill BOG, Fast Fill Acetone Resin Solvent, grinder, sanding block.

##### **Preparation:**

Spread newspapers to absorb any spillage. Prepare the surface, recut the fibreglass, have batches of resin and pre-measured hardener ready. Preparation of the surface is critical to the adhesion of the resin; grind or sand all rust, paint, oil, or wax back to a clean surface free of all loose or flaking material. Non-porous surfaces are best roughened to enable better adhesion of the resin. Mask and paper off areas not to be covered.

##### **Mixing:**

The amount of hardener needed is dependent on the amount of resin being used and the air temperature. For quantities up to 100ml, use around 3% hardener (3ml to 100ml) up to 500ml, 2% hardener and for quantities in excess of 1 litre, use 15ml (3 teaspoons) hardener; this will depend on the other factors listed. Never catalyse more than can be used in fifteen to twenty minutes. When resin is used thinly, the gel time is lengthened (more hardener required) and conversely if used in bulk the gel time is shortened (less hardener required). The type of mixing container can also affect the gel time. As the resin starts to gel it gets very sticky, so keep the acetone handy.

##### **Application:**

Mix initial batch in a clean container and apply to the surface with a brush. As soon as the area is covered, lay the pre-cut fibreglass mat over the area and work the resin up through the fibreglass with a brush using a hard stipple motion. The lass will go clear in patches, use more resin until all the glass is translucent (saturated). Work out all air bubbles before gelling occurs. Repeat this process with the next area, overlapping the lass by 25mm. The total area can be covered easily with this method, at one time. To achieve best strength, minimise the resin to wet the fibreglass. Do not lay more than three layers (6mm) in one application. Resin cures in four to six hours dependent on temperature after which the surface may be sanded, filed etc. Maximum hardness and chemical resistance is obtained in one to seven days.

##### **Cleaning up:**

Clean equipment and spills within 30 minutes using Fast Fill Acetone Resin Solvent.

# ***FAST FILL***™ RANGE OF PRODUCTS

## **HANDY HINTS AND APPLICATIONS FOR FAST FILL PRODUCTS continued .....**

### **Repairing Steel Panels**

#### **Equipment needed:**

Scissors, paintbrush, clean rags, putty knife or plastic applicator, sandpaper (various grades), body file, Fast Fill Fibreglass Resin, Fast Fill Fibreglass Mat, Fast Fill BOG, Fast Fill Acetone Resin Solvent, grinder, sanding block.

#### **Preparation:**

Grind off paint around the section being repaired. Use a 36 grit pad or similar so cleaned areas are rough to feel (do not polish the steel or the fibreglass resin may not bond as well as it should). Use a hammer to lower the area to be repaired. This is done to allow a build up of fibreglass resin and BOG without having the repaired section higher than the surrounding panel. Mask around the section that is being repaired to protect the good section from spillage. Cut the fibreglass mat to fit the area being repaired with an overlap of about 25-30mm.

#### **Mixing:**

Stir resin thoroughly before using. Mix hardener (1% to 2% depending on the weather, see table) into fibreglass resin thoroughly.

#### **Application:**

Use a paintbrush to apply the fibreglass resin to the area being repaired. Place the fibreglass mat (already cut to size), onto the wet fibreglass resin (make sure the mat is wet right through). Allow up to thirty minutes to set (drying time is dependent on air temperature). Two or three layers can be used if required.

When the fibreglass has set, mix up the BOG to direction in this brochure and apply to sections being repaired with a putty knife or plastic applicator. Make sure the BOG is built up higher than the surrounding panel. When the BOG has set (ten to fifteen minutes) use a body file, electric sander or sandpaper to smooth down the BOG to the same level as the surrounding panel.

Undercoat and paint a colour coat to your requirements.

#### **Cleaning up:**

Fibreglass resin and BOG can be cleaned up with Fast Fill Acetone Resin Solvent until just before they set.

### **Important Information - MEKP (resin hardener)**

These tables are a guide only for the amount of hardener to be used in fibreglass resin and the expected gel time. The reaction between resin and hardener will give off heat. Use in well ventilated space.

#### **Winter use**

MEKP	Temperature	10 deg C	15 deg C	20 deg C	25 deg C
1-0%	<b>GEL TIME</b>	60 mins	45 mins	32 mins	15 mins
2-0%	<b>GEL TIME</b>	30 mins	16 mins	10 mins	5 mins

#### **Summer use**

MEKP	Temperature	20 deg C	25 deg C	30 deg C	35 deg C
1-0%	<b>GEL TIME</b>	70 mins	45 mins	27 mins	15 mins
2-0%	<b>GEL TIME</b>	30 mins	20 mins	10 mins	5 mins

### **Repairing Frames & Skirtings**

#### **Equipment needed:**

Scissors, paintbrush, clean rags, putty knife, sandpaper (various grades), Fast Fill Handyman Filler, sanding block, screening.

#### **Preparation:**

Remove all paint, grease and dirt. The surface should be clean, dry and roughened to improve adhesion. Cut a piece of screening larger than area to be repaired.

#### **Mixing:**

Using approximately fifty parts filler to one part hardener, thoroughly mix the two together with a flat bladed putty knife.

#### **Application:**

Apply mixture around hole. When mixture becomes tacky, press screen into position and allow to dry. Gel time is approximately five to eight minutes. Smooth down with sander. Undercoat and paint a colour coat to your requirements.

#### **Cleaning up:**

Fast Fill Handyman Filler can be cleaned up with Fast Fill Acetone Resin Solvent until just before it sets.