1 A1 Iron panel in a silicone mould

AUSTRALIA COMPOSITE SOLUTIONS

Materials

- 650 g A1 liquid
- 1300 g A1 powder
- 400 g A1 iron powder
- 1 m^2 A1 triaxial fibre
- silicone mould (50x50 cm = 0.25 m^2)

Tools

- scale
- cups
- brush
- drilling machine with mixer or stirring rod
- water

1 A1 Iron panel in a silicone mould

Weigh 1 part of A1 liquid. In this example we use 200 g A1 liquid.

Weigh 2 parts of A1 powder. In this example we use 400 g A1 powder.

Weigh 2 parts of A1 iron powder. In this example we use 400 g iron powder.

Add the A1 powder slowly to the A1 liquid and stir with the mixer until you have a smooth surface.

Add the A1 iron powder to the A1 and stir for 1 minute.

Clean the mixer directly after use in water.

Apply the A1 upon the mould and spread with a brush.

The surface must reach a thickness of 1 to 2 mm. Curing time of A1 is ± 20 minutes.

Clean the brush directly after applying the first layer.

When the panel is dry, weigh 450 g A1 liquid (1 part) and 900 g A1 powder (2 parts).

Again add the A1 powder to the A1 liquid and mix for 1 minute.

Directly clean the mixer in water.

1 A1 Iron panel in a silicone mould

Apply a thin layer of A1 with a brush on the surface.

Apply a piece of triaxial fibre with the same size as the object on the surface and smoothen it with a brush from the center.

Apply another layer of A1 on the triaxial fibre...

...and devide it equally on the surface.

Repeat step 14, 15 and 16 twice without pausing. Then clean the brush with water.

Before demoulding let the mould dry for ± 1 hour.

Carefully turn the mould around.

Strip the mould from the surface.

The result is an exact copy of the mould.

Place the panel outside to let it rust. For a more intens iron-look place the panel outside for a longer time.
It's also possible to use chemicals to speed up the proces.

The **final result** is a rusty effect. If you want to stop the iron-proces close the surface of the panel with a sealer.

Mani Sampaio 47 Neil Street Bundeena N.S.W. 2230 Australia
T: +61456471883 | Email: mani.amtau@gmail.com