



Page 1

Slide 1

USING MOULDS

Clinic Presenter: Donald Davis

Slide 2

Fresh Mould & Master. The mould has been washed and dried

Slide 3

Mixing container, Plaster, Mould and Container of sand.

I often use a container with sand in it as the mould can be fully supported. Spray the inside of the mould with wet water and shake of the excess water and place in the container of sand

Slide 4

Plaster consistency. Mix the plaster by putting about 1 cup full of water into the container (ice cream) and slowly add the plaster stirring continuously if you think you will need more plaster add water and plaster when the consistency is right the spatula should be able to stand upright in it

Slide 5

Plaster in the mould, mesh to give added strenght. Slowly pour the plaster into the mould working from the centre out. Give the casting a few shakes to help remove any trapped air in the plaster. Allow the plaster to go off before removing mould it would go through several stages feeling damp, then warm and after it cools down the mould can be removed. I make the castings on the bench as I have not been successful using them wet I use the mesh over section where the plaster is thin.

Slide 6

Final casting, different colouring. I have paintered the 2 castings with slightly different colours which change the look of the casting. You can buy tubes of acrylic paints at the \$2 shops I check out the miscoloured cans at Bunnings also



Page 2

Slide 7

Alternative way to support mould. This was a long mould which I wanted to have a curve on it, so I used the strips of plastic to support the mould. I have used coat hanger wire to get the shape that the finished casting has to be set in

Slide 8

Foam to support plaster around step in mould. Place the blocks of foam to form a dam around the step in the plaster

Slide 9

Step has had plaster added. Add plaster over the step and foam

Slide 10

A different mould. This was another mould taken of hardened cement as can be seen it was quite a deep mould

Slide 11

Mould full of plaster. Follow the same procedure as previous castings

Slide 12

Finished casting. This is the finished casting note how many fissures there are

Slide 13

Ridge mould. This was the mould for the craggy ridge

Slide 14

Ridge casting with front & top view. Casting has been given a light wash of grey stain. With this casting the base was wider than the space where it was going so I placed a piece of timber on each side of the mould and closed it up with 2 "G" clamps

Slide 15

Thin layer of plaster in mould. This is the same mould only we are going to use very little plaster. Coat the inside of the mould with about 2 m.m. of plaster and allow to fully harden



Page 3

Slide 16

Material needed for light-wieght casting. I have used Era Polymers Erathane GP-2 Polyurethane (a two pack expanding foam) 2 disposable cups and a disposable stirrer Purchased from Barnes

Slide 17

Thougly mix A & B. Thougly mix the two pack componets until it is an even colour

Slide 18

Erathane has been added to casting. I mixed too much of the Polyurethane and it expanded over the mould. I had made up 1 cup of mixed urethane which was obviously too much

Slide 19

An excess of Erathane

Slide 20

Excess of Erathane

Slide 21

Light-wieght casting (500 grams in wieght) I trimmed most of the excess foam from the mould and casting before removing the mould from the casting

Slide 22

Same mould with all plaster (1 Kg in wieght) This casting has only plaster

Slide 23

The castings from the same mould coloured with paints



Page 4

Slide 24

Castings attached to foam sheets U shaped 1400 mm X 600 mm

There are 14 separate castings on this rock face

Slide 25

This rock face is only m.m. thick plaster. This rock face is on my home layout the plaster is only several m.m. thick. The rock work was assembled of the layout on foam blocks and is 1400 mm x 600 mm in a U shape

Slide 26

Three separate castings. These are 3 separate castings on the waterfront scene

Slide 27

The 3 castings blended together. The castings have been blended together by filling in the gaps with plaster

Slide 28

The castings painted and real stone at base of casting. The castings were painted in varying earth tones and the talus at the bottom was from dirt and stone I have collected over the years the colouring of the rock was determined by several rocks that I have to gauge correct colours

Slide 29

Paints used for painting and staining. These paints were from the cheap shop and were only \$2 each some are the correct matt tones BUT some are gloss so beware I got around this by going over the finished rock face with matte varnish by Chroma Art Paints

Slide 30

Tunnel liners. This is the raw and painted liners

Slide 31

Air conditioning ducts. These were made using the Flexil mould, sanding excess plaster off and sprayng with grey primer



Page 5

Slide 32

Moulds & castings for timber wall, ducts, tree stumps and tunnel portal. I usually have these moulds near at hand so when I am casting rock work if there is any wet plaster left it will be used in these moulds. One thing I noticed after removing casting is that the sides on the tunnel portal mould had closed in

Slide 33

Castings before staining or painting.

Slide 34

Painted and stained tree stumps, timber wall, ducts & tunnel portals.

These have been given a wash of paint and when dry stained with india ink & isipripol

END OF CLINIC

Thank you

Are there any questions ???



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