

Introduction

March 2020

About

At ScaleCast we want to provide the best real stone products that go far beyond levels of detail, but also provide an easy and effective product set that help you achieve beautiful scenery that looks as real as possible

Fire Station

Building plans for Brick style buildings from www.scalecast.co.uk



Main View



Side Views.

Our kits provide all the parts needed to make several different buildings and you can extend the designs by adding lots of new add on elements and variations, so as we work through the instructions that follow always keep in mind that nothing here is set in stone, you can replace many parts from our full range available

So, let's get planning and building

Casting

For casting we have several videos and instruction documents on our website, so will not cover this in any depth here.

Casting in plaster can be a little more of a challenge but in our opinion provide that real stone look and feel and we think is much better for painting and weathering.

Casting in resin is fast and much easier in some respects but you need to take much more care with the gluing and painting.

Why not try both and see what you like best.

Starting with the parts

Our Kits

You do not need all of our Brick Range to build this model, however you can always just add a few moulds to your set and extend the possibilities

The moulds and parts

All our products are silicone and can be cast using either Tuffcast plaster or resins, so the parts themselves will be the same.

However the gluing will be different, for plaster you should use a good PVA (also known as woodwork adhesive) and for resin parts you would use superglue.

For this model we used a wide range of moulds so we could show off as many part variations as possible, however as mentioned you could easily replace many of the windows and tile sections with the ones you prefer. So, for this build we use the following moulds.

Moulds used in the making of this building are:-

Brick 1

Brick 6

Brick 11

CM 30 Standard Roof Sheet or

CM 42 Pantile Roof Sheet or

CM 21 Victorian Roof Sheet

DT 05 Ridge Tiles

(Note:- you can use whichever roof style you like from our range)

Remember,,, If you do not like our design you can change the layout of our plans, as all Scalecast moulds are inter changeable.

So if you do not want the door where our plan shows or any other door or window, simply exchange for a different tile

Let's look at the individual moulds before we get started on the build.

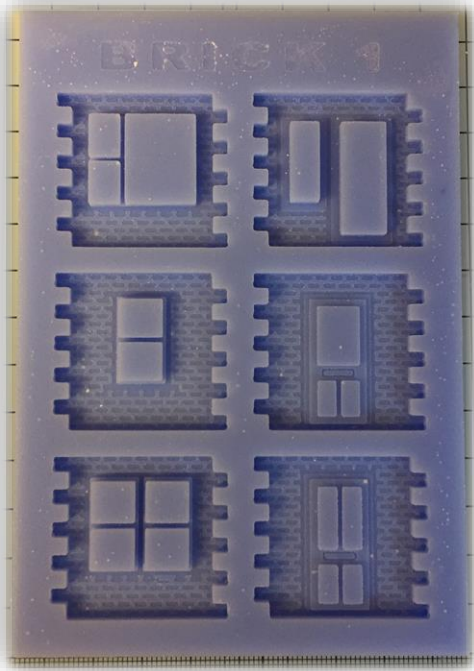
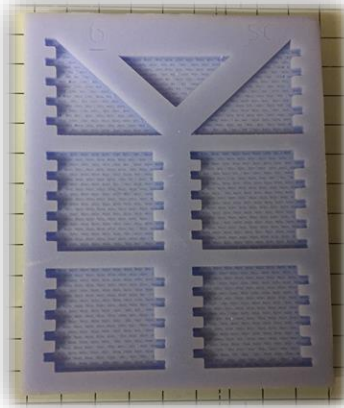
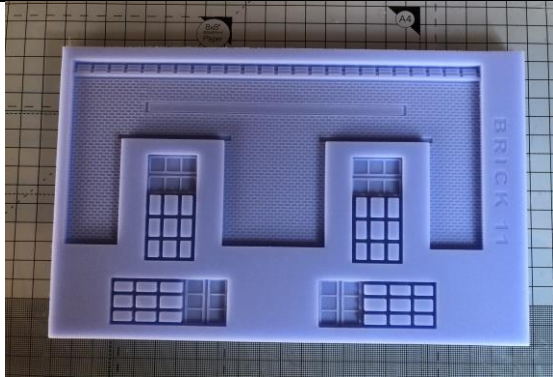
It is suggested that you make all your parts so as soon as you start building you will have everything you need as you want it and it also gets you to a finished product quicker

Did you know

When casting in stone you should spray the moulds with water mixed with a drop of washing up liquid.

The casts will look much better as the solution helps the casting mix flow into the mould.

Just get one of those spray misting type bottles, fill with water and add a few ml of washing up liquid, or you can use rinse aid which many people say works even better.

	<p>Brick 1</p> <p>This mould produces doors and windows and we use it on this build in several places</p> <p>KEY MOULD</p>
	<p>Brick 6</p> <p>We use this mould to produce the main brick tiles as well as the end gables</p> <p>KEY MOULD</p>
	<p>Brick 10</p> <p>Fire Station front Wall mould. Including the 4 Doors.</p>

Painting

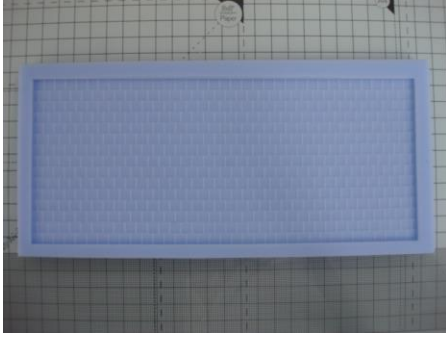
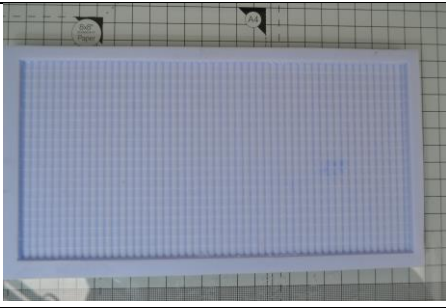

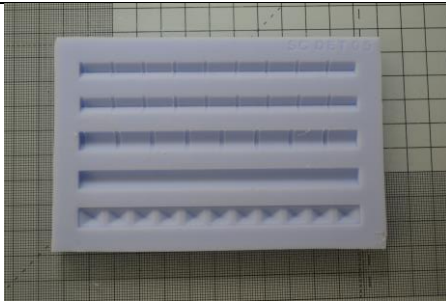
We recommend you use acrylic paints, you can mix 50/50 acrylic and water to thin the mix.

For best results create a thin mix and paint the whole building as this will ensure all the cracks are covered as well as cover any glue that may be on the face of the building.

Now you can mix the colour you want and paint the model.

A little practice on a few spare parts is always the best way to test, so you can achieve the desired results.

We have several painting workshop articles on our sister website
www.linkaonline.co.uk

		<p>CM 30</p> <p>Standard Roof Sheet</p> <p>Note (You can use any of our roof sheets if you prefer)</p>
		<p>CM 42</p> <p>Pantile Roof Sheet</p>
		<p>CM 21</p> <p>Victorian Roof Sheet</p>
		<p>DT 05</p> <p>Ridge Tiles</p>

So now we have seen all the moulds and what they look like we can get on with the plans and start our building

Inside Information

Did you know we have several areas where we post updates, we have several Facebook pages, we are also on twitter and you can subscribe to both our websites to get our newsletters and a host of other information

Note- It is a good idea to use a greaseproof paper or clingfilm on your worksurface as it stops any glue that may be on the surface sticking to your workbench.

When gluing the parts, place them face down on the surface as this ensures all the pattern is kept perfectly inline, allow to dry and then turn the main parts face up as shown here.



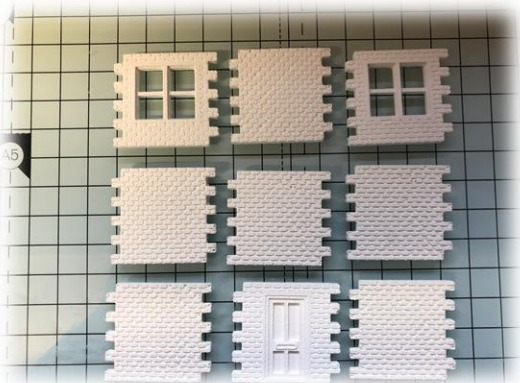
It is best to lay all your tiles out prior to building to ensure you like your design before gluing the pieces together.

This is the front of the Building.



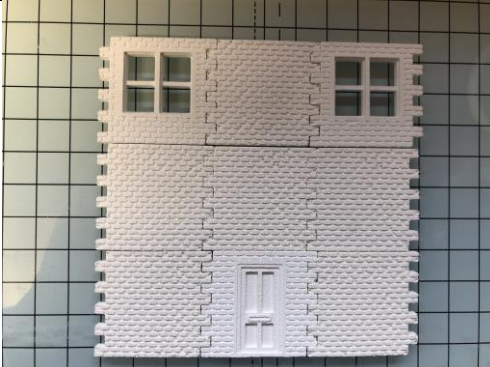
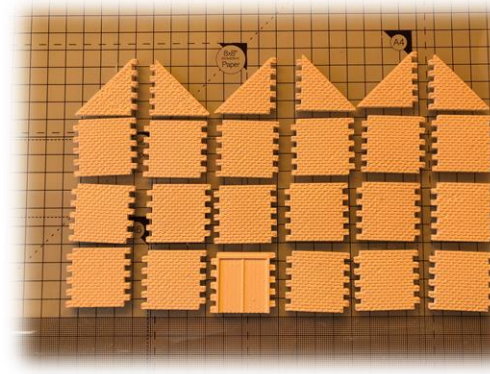
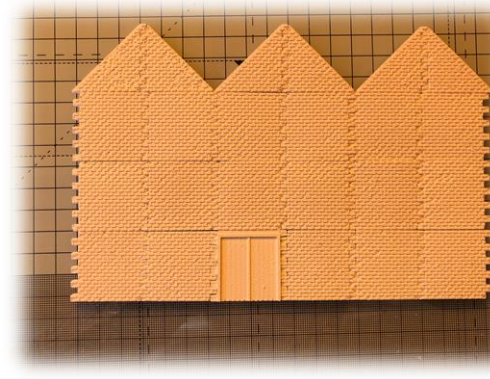
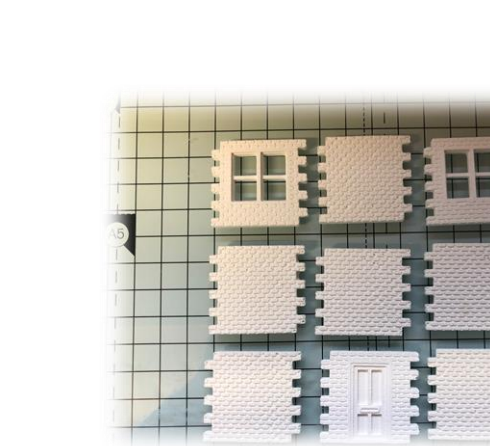
Front wall glued together

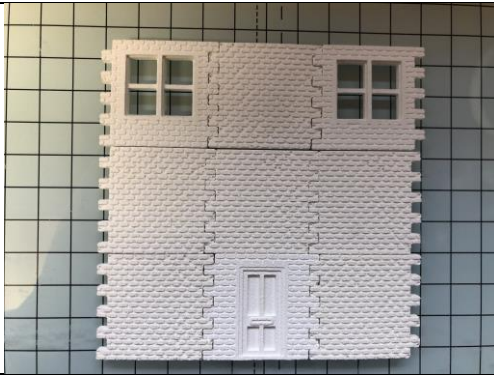
Note- If you are casting with plaster as shown here then you will use a good PVA and if your using resin parts then you need to use superglue



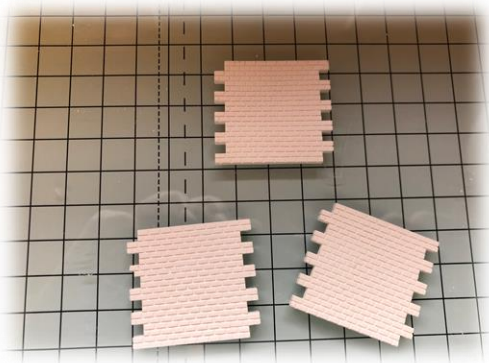
We have used an assortment of windows/doors/plain walls in this plan to show that any window tile can be used in the build. Just choose the one you prefer.

This is the righthand wall. (looking from the front of the building)

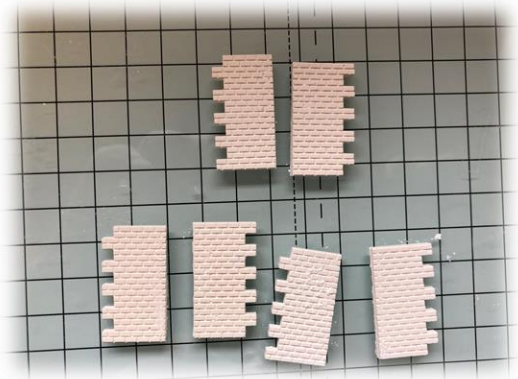
		<p>Don't worry if you have a few gaps in the fingers or joints as we will deal with them a little later.</p>
		<p>This is the rear wall.</p>
		<p>Rear wall Completed.</p>
		<p>The left hand wall (Viewed from the front)</p>



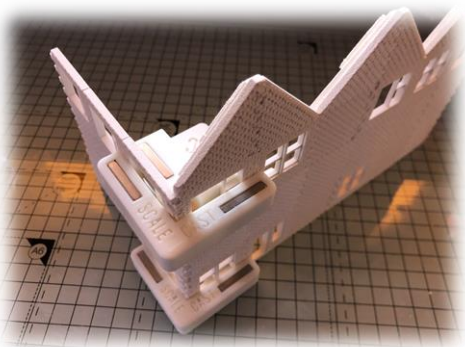
Left hand wall complete.



Now take 3 plain wall tiles (These can be poor quality tiles with odd bubbles as they won't be seen.)

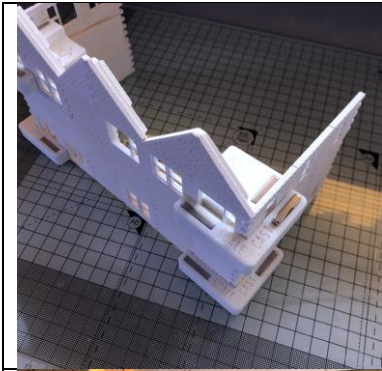


Cut them roughly in half vertically leaving the fingers in tack.

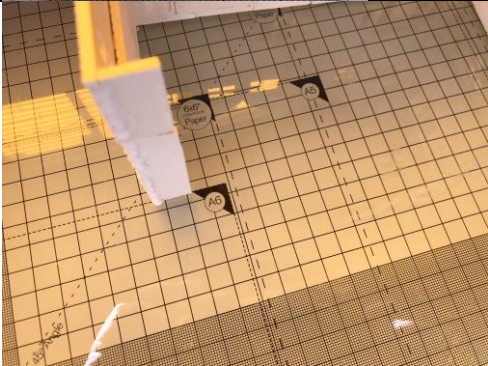


Next fix the right hand wall to the rear wall.

You can see we are using our magnetic corner Clamps (available on our web site)



Then glue the left hand wall to the rear wall.



The next section must be done in one session.

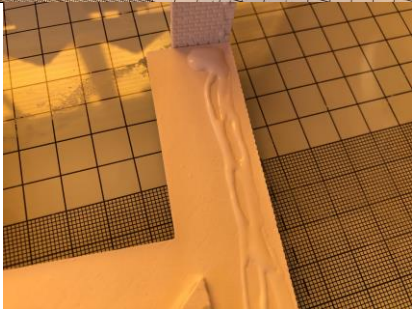
Then glue 3 of the small half tile pieces cut earlier to the front of the left hand wall.

This will re-enforce the corner joint.

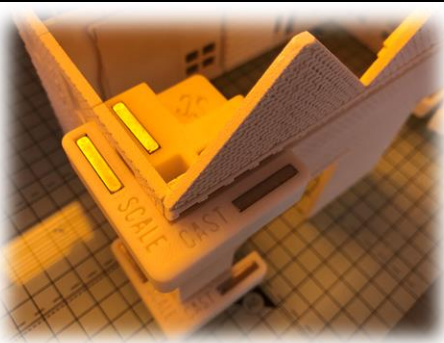


Repeat the process on the right hand wall.

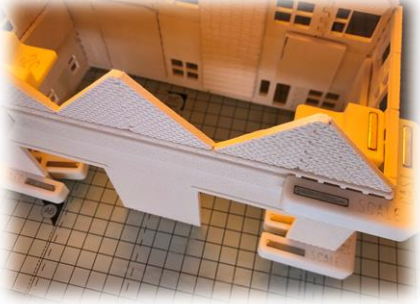
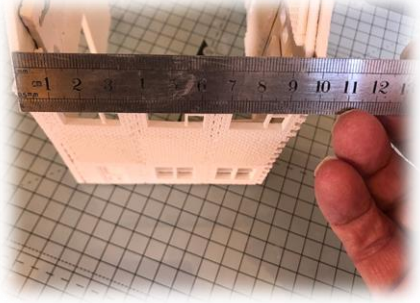
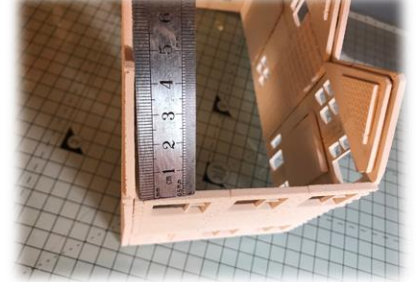

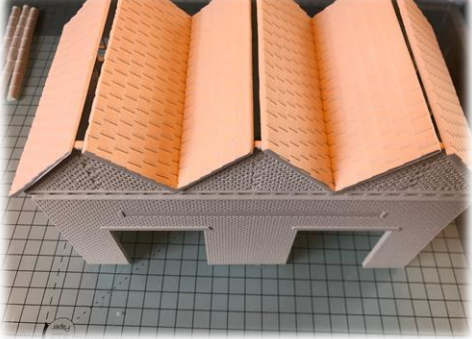
As per the picture.



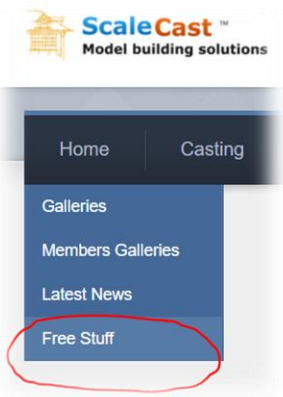
Then take the front wall section, apply glue up the right and left hand side of the front.
Approx 10mm wide.



Then glue the front wall to the side walls.

	<p>Pic of the right hand wall.</p> <p>Leave to dry completely before moving on.</p>
	<p>Next measure the length of your roof.</p>
	<p>Now the height of the roof piece.</p> <p>Cut enough pieces for the roof.</p>
	<p>Affix these pieces to the apexes.</p>
	<p>Until the roof is complete.</p>
<p>Add the coping tiles to the centre</p>	<p>Of the roof tops and we are done</p>

<p>Next we need to fill any gaps in the building</p>	<p>If you place a small illuminated LED bulb inside the building it will show any holes or gaps. This is called Light Bleed.</p>
<p>Take a small plastic pot or cup and put a small amount of water in it, then add some Tuffcast and mix to a wet creamy consistency.</p> <p>Allow the first coat to dry and test again with the light.</p>	<p>Then turn the building upside down and using a small paint brush, slowly paint the mixture over all gaps on the inside of the building.</p>
<p>Continue to add the mixture until all gaps are sealed.</p>	<p>ALLOW EACH COAT TO DRY BEFORE ADDING THE NEXT.</p>
<p>You should now be ready for the paint shop.</p>	<p>Paint and weather your building to your taste. Including the Doors</p>
 <p>Doors can be Fitted as Closed</p>	 <p>Fitted opening Out.</p>
 <p>Fitted as Sliding Doors Semi Open</p>	 <p>Add some vehicles and your done!!!</p>

 <p>The image shows a screenshot of the ScaleCast website's navigation menu. The logo at the top left reads 'ScaleCast™ Model building solutions'. Below it, there are two tabs: 'Home' and 'Casting'. A dropdown menu is open, listing several options: 'Galleries', 'Members Galleries', 'Latest News', and 'Free Stuff'. The 'Free Stuff' option is highlighted with a red circle.</p>	<p>All our building plans are FREE.</p> <p>If you want more building plans, they are free to download on our website www.scalecast.co.uk</p>

Inspiration

The great thing is that you can make many variations as well as add several of our other mould products to extend on your ideas.

 <p>The image shows two miniature model buildings on a green grid surface. The building on the left has a red roof and three gables. The building on the right has a grey roof and a stone-like facade. A white pencil is visible in the background on the left.</p>	<p>Adding to your collection of our range you can build literally hundreds of different buildings and the great thing is our moulds will last for many years.</p>
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Here is another building this time in stone that shows off our Victorian slate roof. So, by adding our other moulds to your collection you could make something like this.



Low Relief Stone Building



Terrace Houses



Village Shops



Water Wheel

We are continually extending our range of moulds so now you can build many more exciting realistic buildings. All you need is lots of casts and some imagination www.scalecast.co.uk.

All our moulds are in one place so you can find them easily

<https://www.scalecast.co.uk>

Happy Building