

Introduction

September 2018

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

Stone Church

Overview

Building plans for a real stone church from www.scalecast.co.uk



Corner view showing detail of the stone



View of main front tall windows and view of front door section

Our kits provide all the parts needed to make several different engine sheds 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 such as windows and doors with the ones you like best 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.

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

Starting with the parts

Our Kits

At the time of these plans we have 15 moulds in our NS range. You do not need all of them to build, however you can always just add a few moulds to your set and extend the possibilities

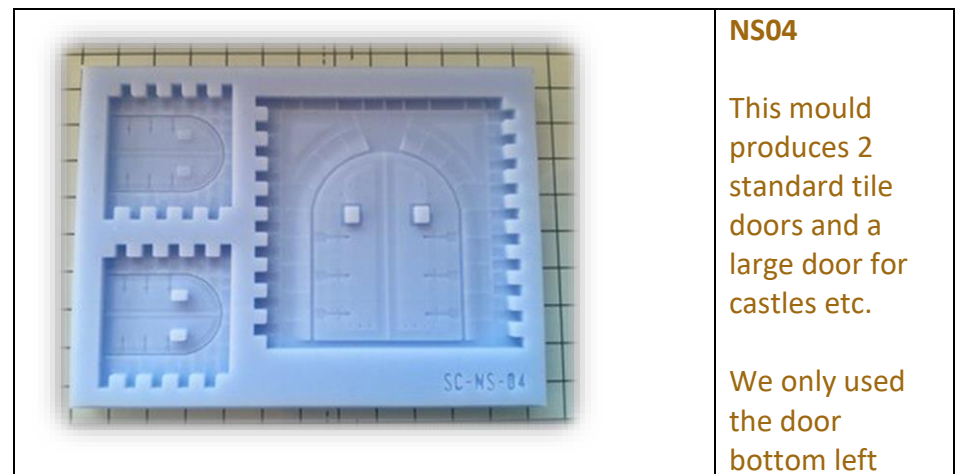
The moulds and parts

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.

NS04 – NS05 – NS06 - NS07 - NS08 - NS09 - NS10 - NS11 and then used the Shingles roof sheet mould (Note:- you can use whichever roof style you like from our range)

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



gets you to a finished product quicker

Did you know

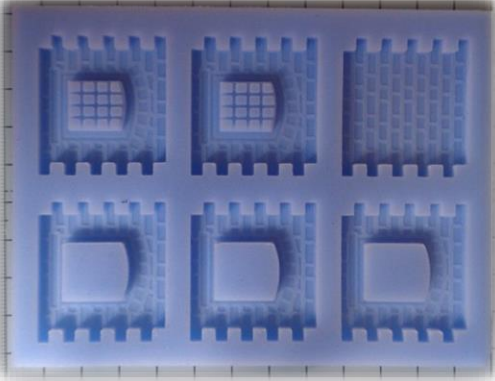
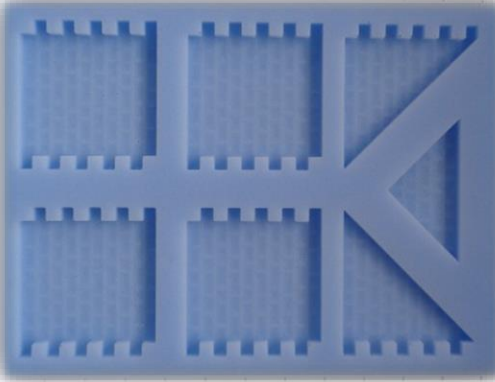
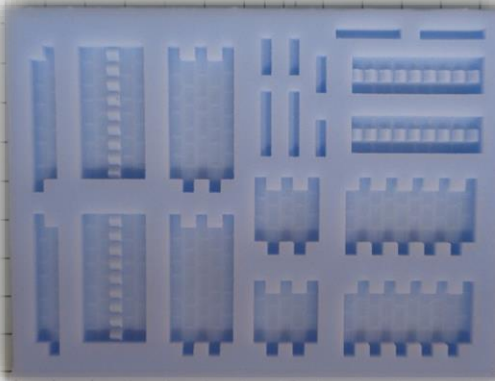
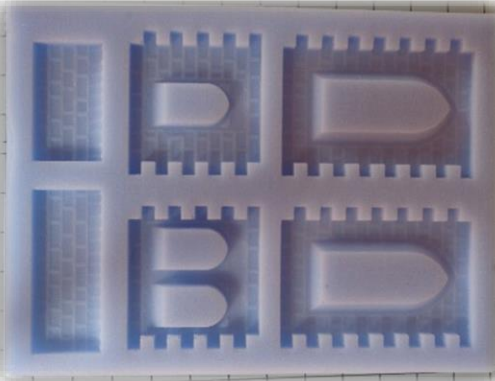
When casting in stone you can spray the moulds with water mixed with a drop of washing up liquid and the casts will look much better as the solution helps the casting mix flow into the mould.

Just get one of those spray 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.

Painting

We recommend you use acrylic paints, so 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

	<p>NS05</p> <p>For our build we used just one of the barred windows</p>
	<p>NS06</p> <p>We use this many times as it provides the main stone tiles as well as the end gables</p> <p>KEY MOULD</p>
	<p>NS07</p> <p>This mould gives you many detailing parts and is considered a key mould to have</p> <p>KEY MOULD</p>
	<p>NS08</p> <p>Produces the small historical stone windows, Medium Church style windows and some curved top walling facing sections</p>

cracks are covered as well as cover any glue that may be on the face of the building.

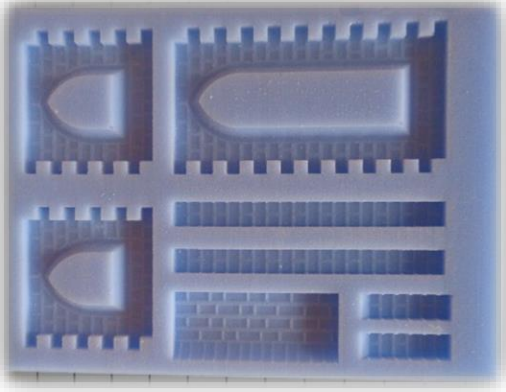
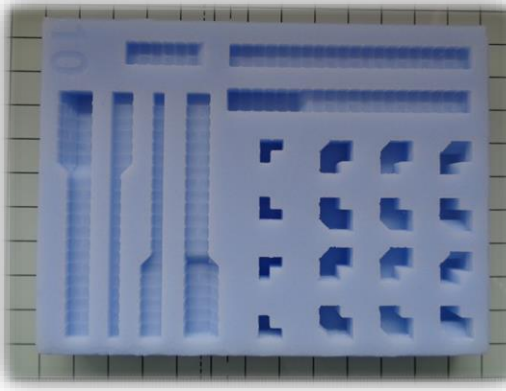
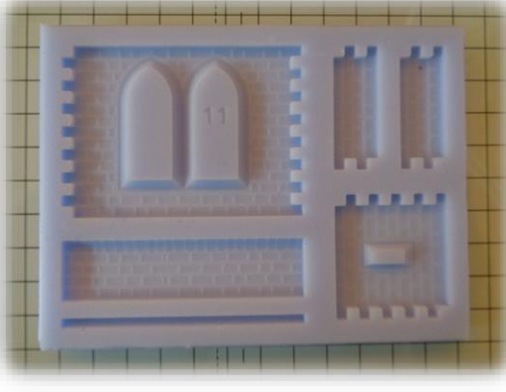
Now you can mix the colour you want and paint the model.

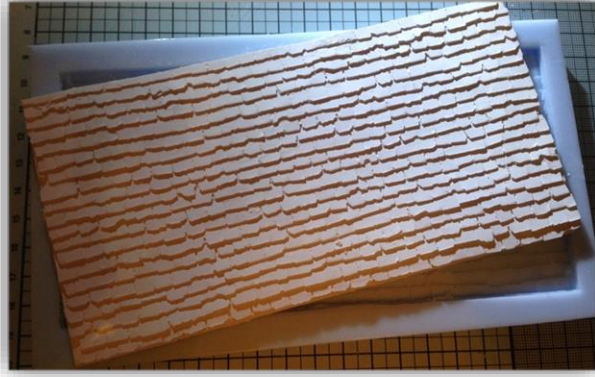
A little practice on a few spare parts is always the best way to test, so you can achieve the desired results.

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

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

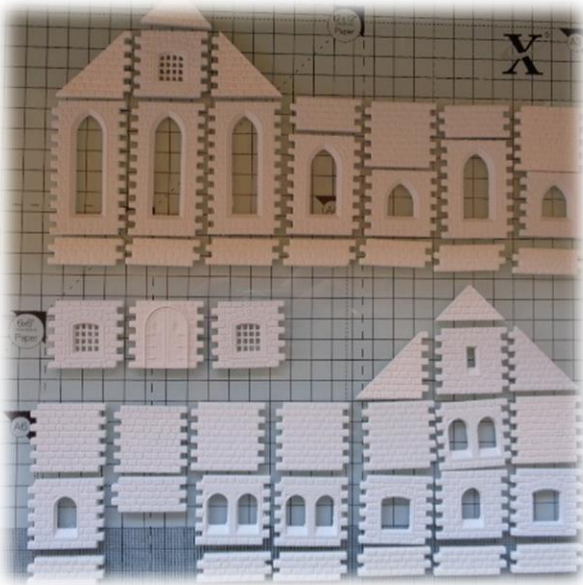
	<p>NS09</p> <p>Produces the smaller church windows and the tall window as well as some abutments and facing wall sections</p>
	<p>NS10</p> <p>This is the abutments sections mould.</p> <p>Produces corner abutments as well as building blocks to allow custom heights</p>
	<p>NS11</p> <p>Produces a double window, some 4 row stone sections, A small historical window and some longer curved top walling section</p>



DT45

Shingle Roof
sheet mould

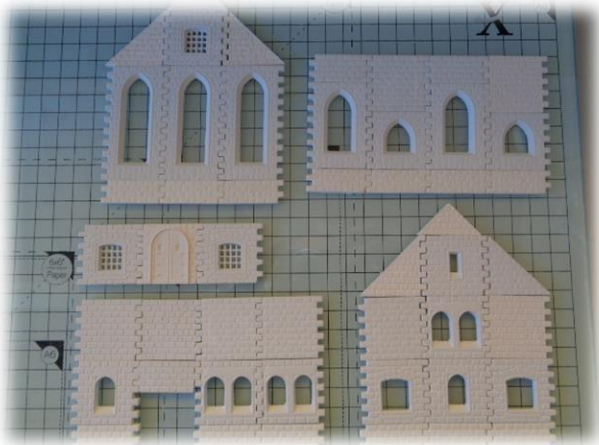
*So now we have seen all the moulds and what they look like
we can get on with a few plans and start our building*



Let's start by looking at all the tile sections that we will be using to build this model. This is a great time to see if you want to make any changes to your design.

By laying out parts in this way everything just starts to make perfect sense and allows you to make adjustments and try new things before you start your build.

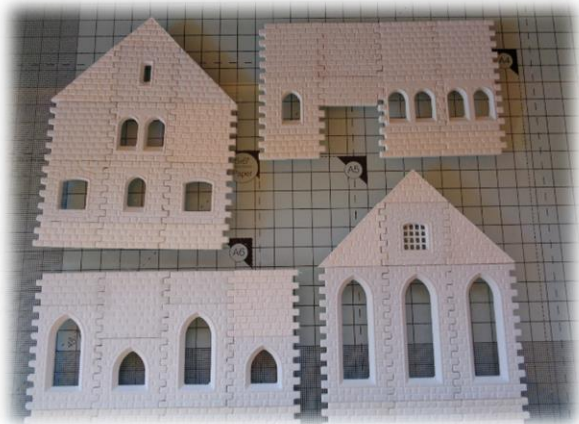
Please note we recommend the 4 row tiles along the bottom of the entire building as when we add the facing stone a little later it looks perfect



This view shows all the parts as they will be when bonded together and again gives you the opportunity to interchange any tiles with others if you prefer.

When you are happy with what you see you can begin the gluing of the parts.

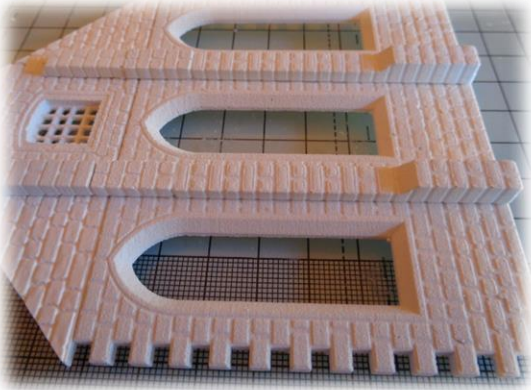
Note- If you are casting with plaster as shown here then you will use a good PVA and if your using resin parts then you need to use superglue



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

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

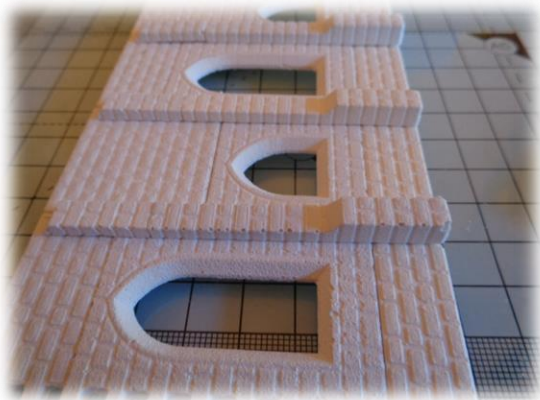
Don't worry if you have a few gaps in the fingers or joints as we will deal with them a little later.



Now with the main sections we will add the facing abutments as shown here, these go over the joints so really start to make the building come to life.

Again, just use PVA glue, place your parts and allow at least 30 minutes to dry.

Note:- we will add corner abutments at a later stage



Here we are showing another of the walls with the abutments going in place.

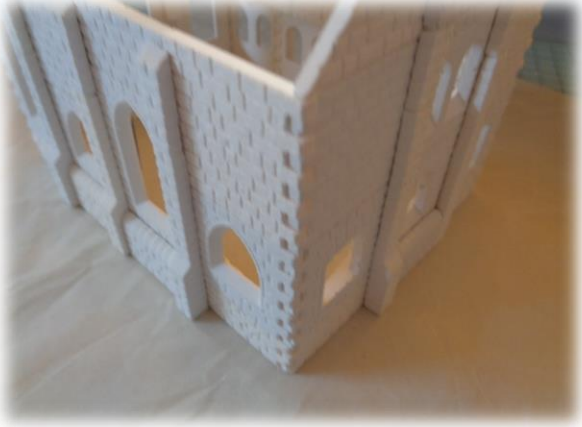


It is a good idea for tall sections to use a square or draw a faint pencil line on the main wall to ensure your abutment is straight.

You can take the abutments to whatever height you like, just add more sections as needed



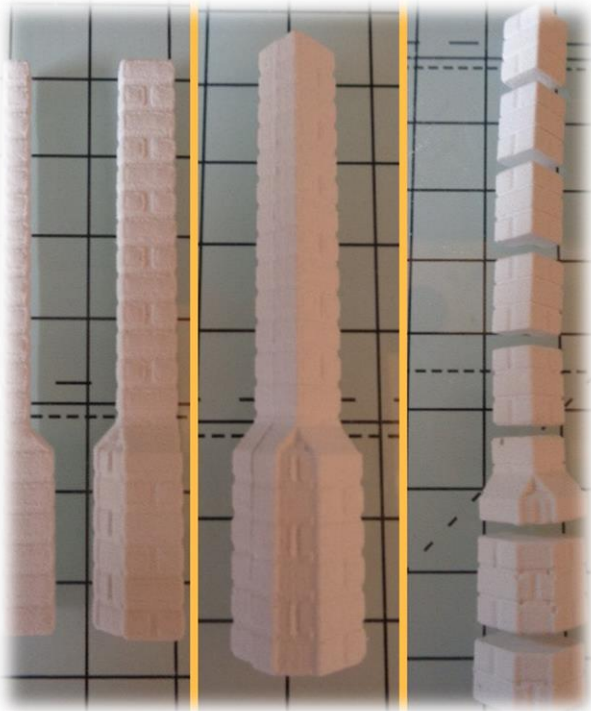
So now we can add those facing wall sections in between the abutments. You may have to sand or cut them to make a snug fit, so this is best done now before we put the whole building together



Now we can actually glue the main wall sections together as shown here. You may want to use some square card on your workbench to ensure you have the walls at 90 degrees and to keep everything all square

Tip.

You can glue a plain tile inside the building at the bottom corners and laid flat on your workbench as this adds strength and helps keep thing square



Now we will take a look at the corner abutments. These come in two different ways on the NS10 Mould. First, we have 2 sections that when we add them together we can make a full corner and second we have blocks that can make the same part but at different lengths.

The blocks allow you to add sections on the base as well as the thinner top sections so allows you to create many variations.

You can use them together as the stone pattern is matched across the set



Here we have added the blocks to make the abutment right up on the corner of the church.



For clarity and to show you as many options as possible we added this corner abutment from the main sections, then just add a few smaller corner blocks to the desired height

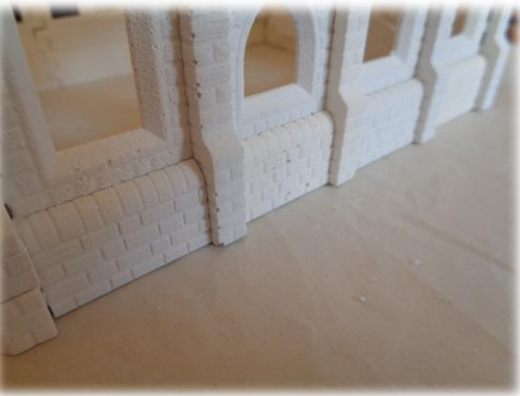


Next, we create the simple doorway section, adding the roof apex sections and then gluing the whole entrance to the face of our building



Now, we complete our main building by adding any remaining facing sections in between the abutments.

You can do this now around the whole remainder of the building so the corner abutments that we just finished can have their facing sections added.

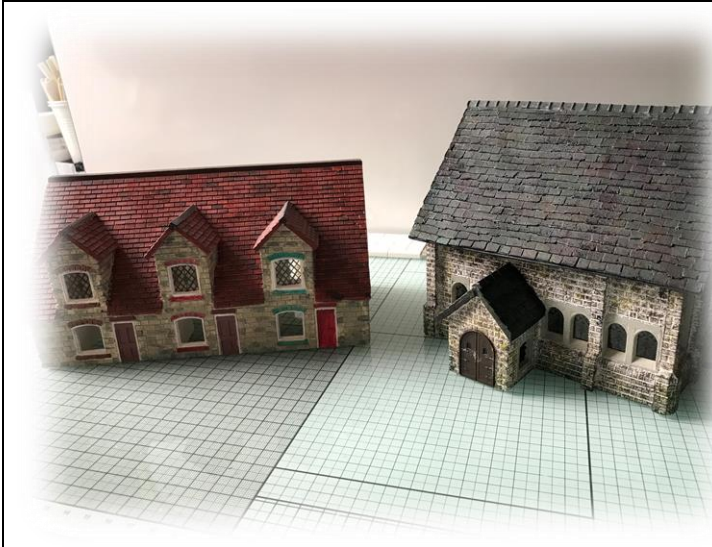


As you can see here we have added the bottom walling sections up to the corner abutments.

	<p>TOP TIP:- Don't worry about bad joints with the fingers, the answer is to mix a small amount of Tuffcast in a suitable container, making it a very watery mix. Then using a paint brush just gently brush into any gaps. Do this a little at a time, do not over fill as this will obscure the pattern on the wall. See the before and after pictures.</p> <p>By mixing a very watery solution its like painting but the casting mix will fill all the gaps. Also, if the cracks are really small you can just use acrylic white paint and just ensure all the visible cracks or gaps are covered before you do your final paint job.</p>
	<p>Finally, all that needs to be done now is to add the roof, these are just full sheets and can easily be cut to size by scribing a line on the cast and snapping across the cuts.</p> <p>It's a good idea to tilt your building so the roof is laid flat until the glue sets</p>
	<p>We also do a universal ridge tile mould that can be used on any building and with all our roof styles. In addition, we also sell acetate window sheets to give you a real stained-glass look. We have several so you can just look online and choose the ones you prefer.</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.



As well as showing the church we just built, the left building uses many of the moulds you have just used with just an addition of our NS01 doors mould and a slate version of our roof sheet

Here is another stone building that shows off our Victorian slate roof. So, by adding our NS01 windows mould you could make something like this.



Low Relief Stone Building



Terrace Houses



Village Shops



Water Wheel

We have fully extended our NS stone range of moulds so now you can build many more exciting realistic stone buildings. All you need is lots of casts and some imagination www.scalecast.co.uk.

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

<https://www.scalecast.co.uk/store/c31/Stone.html>

Happy Building