

Introduction

June 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 Engine Sheds

Overview

Building plans for engine sheds from www.scalecast.co.uk



Side view showing detail of the stone



Different Roof styles

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 make sections longer, shorter and even add side buildings by using our NS range of moulds that match the stone pattern of our engine sheds.

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

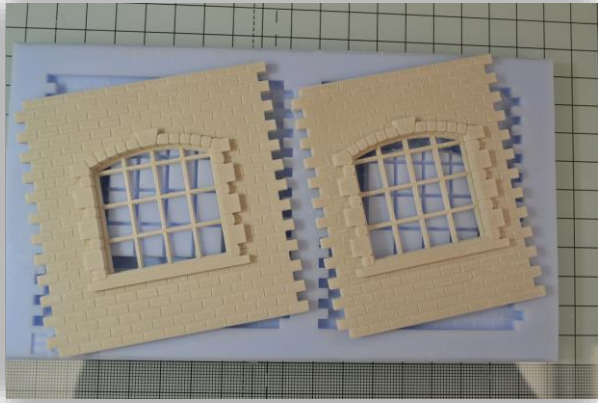

Starting with the parts

Our Kits

You will see that we sell our kits that provide sets of moulds with a few variations, for instance we have both corrugated and slate roofs so the kit you have or are considering may be one of these variations. We also sell all our moulds as individual items, so you can extend your set at any time if you wish to do so.

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.

	<p>SKU ESS00</p> <p>Window Sections wide and Narrow</p>
	<p>SKU ESS01</p> <p>Front main section and blank walling part</p>

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



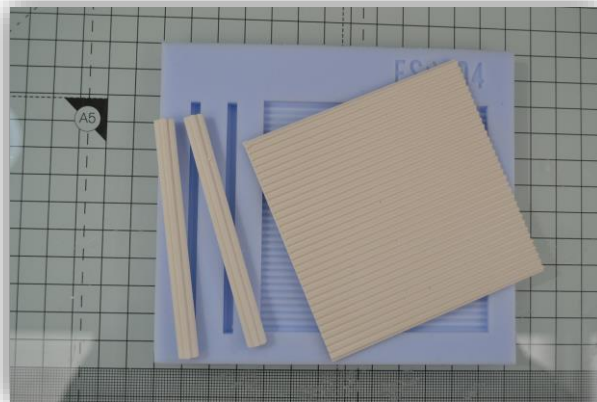
SKU ESS02

Tall doors and short over track doors



SKU ESS03

Back wall section and 3 styles of abutments



SKU ESS04

Corrugated roof sections with ridge strips

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

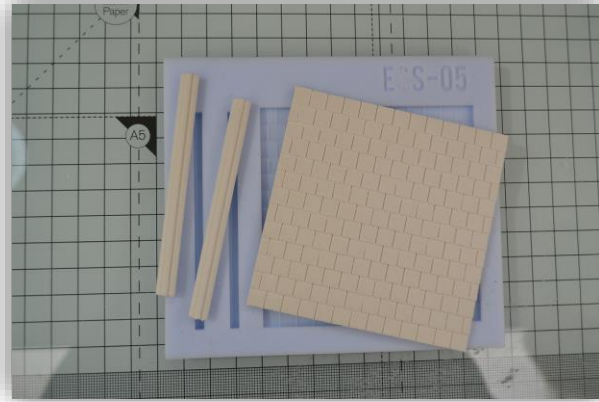
Now you can mix the colour you want and pain the model.

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

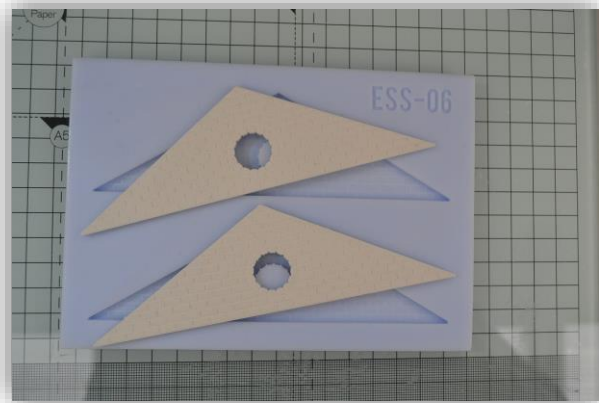
Inside Information

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



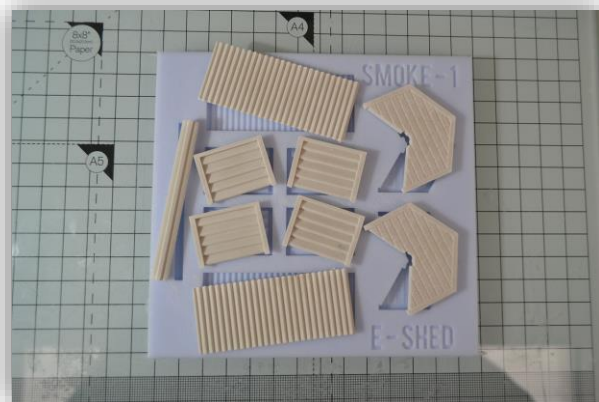
SKU ESS05

Slate roof sections with ridge strips



SKU ESS06

Roof supports



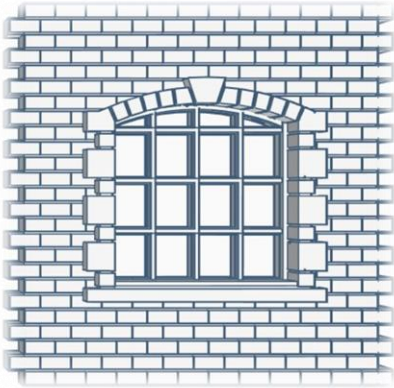

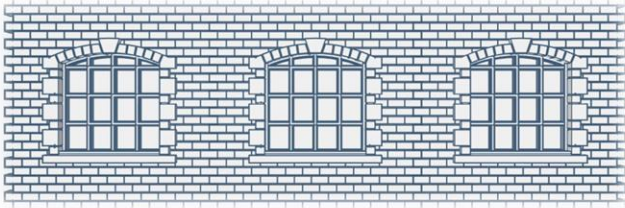
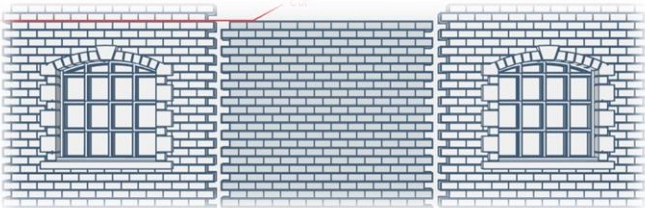
SKU Smoke01

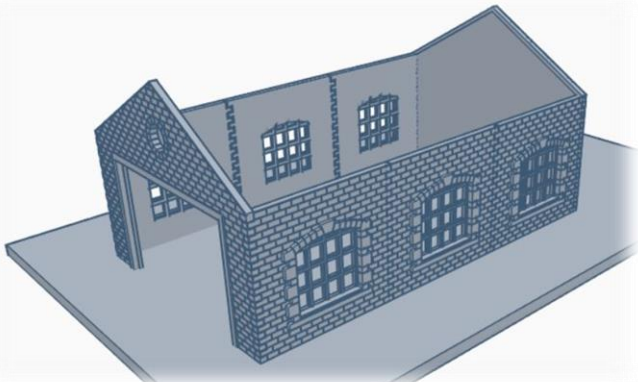



Corrugated roof smoke outlet roof sections



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

So first we will look at an Engine Shed that is 3 sections long and the parts that make this up along with one of the roof options. Remember you can make this longer if you want by just adding more centre sections which we will explain as we progress.

	<p>Let's start with the ESS00 windows sections, as you will notice we have 2 versions of these on this mould, however most of the time you would be using the wider section window, so let's start with these.</p> <p>In this instance we have decided to create a three-section side wall, which could be three windows or a combination of windows and blank walling sections, either way the length will be the same.</p>
	<p>Take 3 window sections and lay flat, using your glue just bond them together by applying the adhesive in the small finger sections and placing the parts together. Any of the windows can be replaced by a blank section so you could have a variation if you prefer</p>
	<p>IMPORTANT NOTE</p> <p>You will notice a little later that the side wall is now exactly two rows of stone too tall, so we need to remove these, this is so you can have the height of the windows lower or higher depending if you cut the two extra rows from the bottom, top or a row from both top and bottom</p>
	<p>So, let's say you want two windows and a plain wall section in the middle, you would need to cut the window sections as shown. Simply use a ruler and score through a few times down the mortar line and snap off the two rows of stone</p>

	<p>Next just take the 2 side sections you have made, a front section and a back section and glue the parts together. This now provides the main shell of your building</p> <p>Next, we will add the roof supports and roof sections.</p>
	<p>Now we would add the roof support sections that align with the joints in the wall, then just add roof sections along the length as well as the roof top ridge sections</p>
	<p>The abutments can be fitted before or after the roof and you can add any of the 3 different styles as you prefer. You may also decide to have two engine sheds side by side so may leave the abutments off one side so the join better.</p> <p>So now you can go ahead and complete the rest of the roof</p>
	<p>All that remains on this build is to fit the doors and you have a choice of the full doors or if you are having a track you can use the shorter (Over Track) doors.</p> <p>Tip.</p> <p>If you cast the doors and do not fill the cast to the full depth you can then glue two sides together so if the doors are open, you can have the timber pattern on both sides</p>

So, let's have a look at our model and maybe a few variations on what we can achieve using the Kits




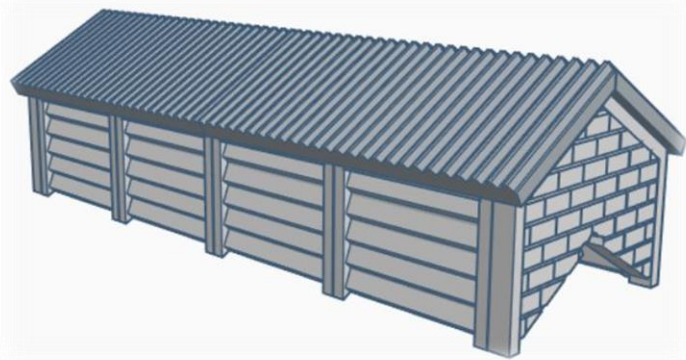
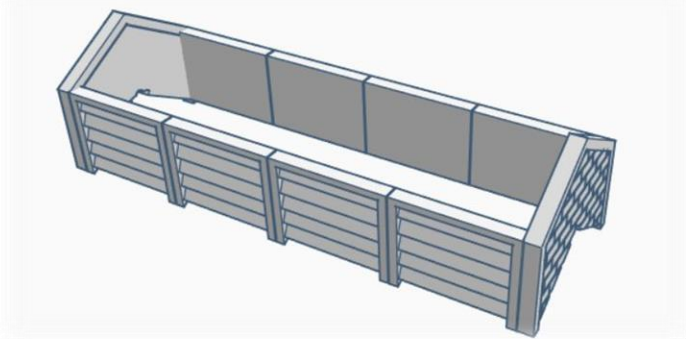
Overview

Just a quick overview image of the model we just created, you do not need the base of course and it is shown just for illustration purposes. We also show different abutments on this image, but you would generally apply the ones you prefer. Also, the doors here are the longer ones but again you may opt for the shorter over-track versions in the kit



This is the corrugated version of a completed model showing the smoke stack sections in place and the over-track doors with double tracks going into the engine shed.

The smoke stack is self-explanatory, but we will show an exploded view of the parts and where they go for clarity

	<p>This model shows the variation using the slate roof.</p> <p>You see here we have just one main window in the centre section</p>
	<p>This is the smoke stack sections that sit on the roof of the engine shed, the only difference in the two moulds we do is the roof can either be corrugated or slate.</p> <p>Very simple to assemble, just bond your louvre section strips together first, I suggest face down on a flat surface</p>
	<p>Here is the View of the parts without the roof.</p> <p>You can make this as long or short as you want just by adding the louvres. The roof sections cover 2 panels at a time and if required you can cut the roof lengths by scoring them with a knife and snapping across the cut.</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, so you could use our NS range of add on moulds to create side office buildings or even our NB brick range if you want other styles of building, the possibilities are only limited by your imagination



In the example here, we see a triple engine shed building, with a 4-section depth and a small side office that is built from our NS (New Stone) moulds along with the same corrugated steel roofing

Here is an idea for building a staggered double shed that can be made easily from the kit and makes a very nice and effective model.



Slate Version



Corrugated Version



Multi Build Options



Extend with NS Range

We are now extending the range with several add-on buildings and extended parts to make even more options available. Please check out our engine sheds category on our website www.scalecast.co.uk.

Happy Building