

## Noville School Diorama Part 3 Using a Lintel and Sills Mould for the Windows

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### Moulds and Materials

**To frame the openings for the windows we used:**

- 1:35 Scale Concrete Lintel and Sills Mould (for 7mm wide walls) (1350021).
- 1:35 Scale 5" Curbstones Mould (1350007).

**The materials we used are as follows:**

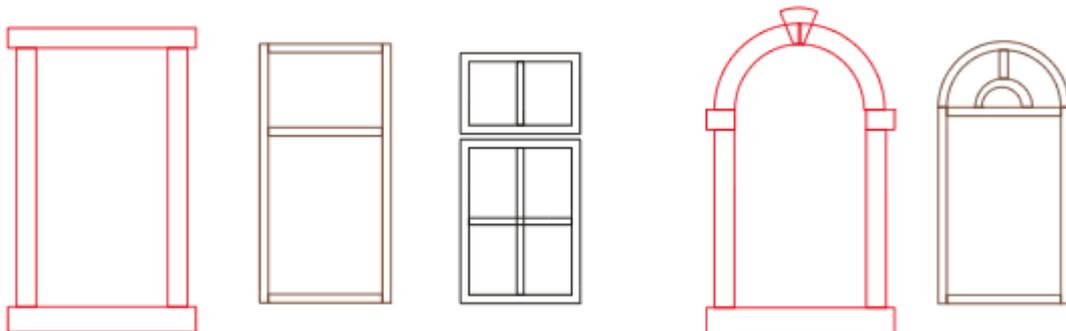
- Hard casting plaster.
- Water resistant PVA glue (wood glue).
- Polyfilla Multi Purpose filler in a tube.
- Black powder pigment.
- Yellow Ochre powder pigment.

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### Making the Concrete Window Surrounds

Our walls are 2 bricks thick so we used the 7mm Lintels and Sills Mould (1350021). If you have 3 brick thick walls use the 10.75mm Lintels and Sills Mould (1350023).

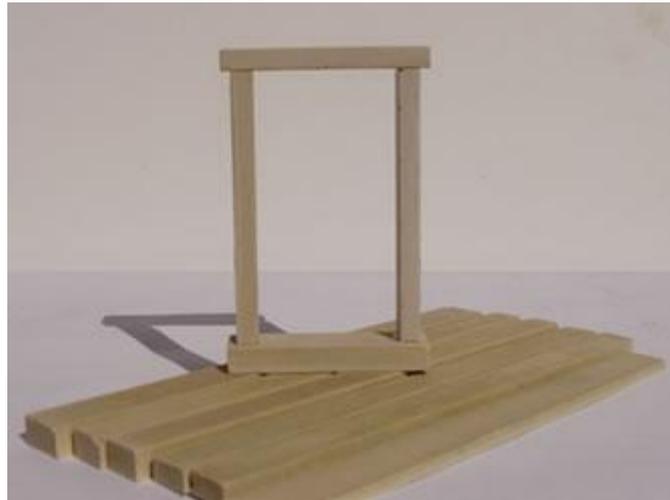
We used hard casting plaster coloured with a small amount of Yellow Ochre and black powder pigment to cast the lintels and sills. We wanted a pale sandy concrete colour.



Once you have cast the lintels and sills let them dry completely before assembly.

1. We first printed out a full size drawing of the 1:35 scale window surrounds and the wooden window frames on paper.
2. We cut the cast lintels and sills to the correct lengths using a junior hacksaw.
3. We then attached double sided tape to the drawing to hold the parts in place while we stuck them together using water resistant PVA glue (make sure the parts are free from dust or they will not stick to the tape).
4. The wooden window frames that fit inside were made the same way but with wood.

**Note:** We used the 5" Curbstones Mould (1350007) to make the top of the arched window with the smooth side out.



A finished window surround.

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## Installing the Window Surrounds

Hold the finished window surround against the wall and scribe or draw around it. Drill a small hole through the wall and then cut out the shape with a rotary tool fitted with a diamond coated burr. It is best to cut the holes for the windows and doors smaller than needed and finish them off with a diamond coated file.



**Tip:** You can use the lintels and sills for other architectural feature as we are in the picture above.

Use a water resistant PVA glue to stick the window surrounds in place.

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## **Filling in the Mortar Joints**

Once the window surrounds have been stuck in place, the gaps between the bricks and the gaps around the window surrounds can be filled.

1. Mix up some mortar coloured filler and work it into the gaps between the bricks and around the window surrounds. Put it on quite thick.
2. Let the filler solidify and use a cocktail stick to remove the excess (it should flake off). If the filler gets too hard, moisten it with a wet cloth and it will soften again. Do not try to wash the filler off as it will just smear and will be harder to remove.

In Part 4 we will be covering making the floors and plastering the walls and ceilings