

# Korber Models

Scale Model Railroad Structures

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## Model 903 O Scale 9 1/2"L x 5 5/8"W x 5 11/16"H Skyline Steel

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### Introduction

Small business is the back bone of small towns and cities during the steam and transition era. Skyline Steel is a single story brick industrial building that is a perfect fit on your railroad. This building can be used for many purposes and businesses in your industrial area.


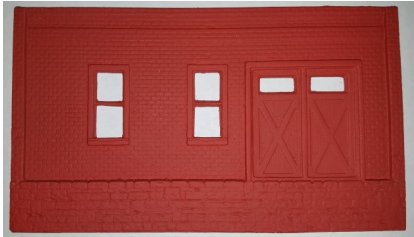


The Korber Skyline Steel includes molded brick details and roof skylights to bring life to your model railroad. Buildings like this are still in use across the land serving different uses in the community. This structure fits nicely as a small business on your layout ranging from steam thru modern era.

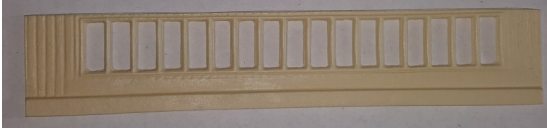


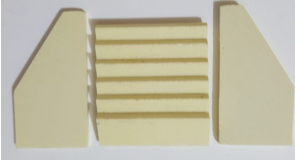


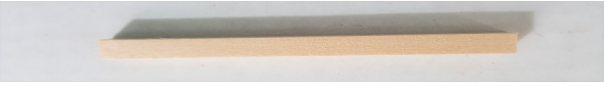
It includes easy-to-follow assembly instructions. Once assembled this model has approximately a 9 1/2" x 5 5/8" footprint. You can follow the simple step by step instructions outlined in this document to easily assemble this great looking addition to your layout. We have covered not only the key required steps to build the building so you can get it on your layout the quickest, but have also included several optional steps to enhance the appearance. These enhancements are based on submissions from modelers just like you who have taken the Korber structures to the next level.

Before you start, read through the instructions to get a feel for the things you will be doing and the basic order in which they will be done. You are on your way to adding a centerpiece to your layout, so let's get started!

### Parts list & Templates – (What's in the box)

Take a few minutes to locate all the parts in the box to make sure you have all the pieces you will need. Spread these parts out so that you have a small separate stack of each part. This will make it easy to find each item as you start the assembly process. If you are missing anything, please contact us.

Qty	Description	Qty	Description
1	Side Wall w/ double door & 2 windows  <b>SIDE WALL #1</b>	1	Side Wall w/ 2 windows and 1 double door  <b>SIDE WALL #2</b>
1	Front Wall w/ single door and 2 windows  <b>FRONT WALL #4</b>	1	Back Wall with 3 windows  <b>BACK WALL #3</b>

Qty	Description	Qty	Description
2	skylights 	2	Roof pieces 7 1/4" x 2 3/8" 
1	Skylight Roof 7 1/4" x 1 9/16" 	1	Stairs 
8	Cotter pins 	2	Down spout Wires 
1	Clear Window Glass Sheet	6	4– Corner supports 4 3/16" x 1/4" 2—4 5/8" x 1/4" roof support 

## Materials needed – (What else might I need that is not included)

The Korber Building, like any kit, requires a few additional items to complete the construction. We have included some color and brand suggestions based on our experience. However you may use any product that fits the function.

Flat paint, choice of colors, for doors, windows, trim

“Red” automotive primer spray paint to cover all molded brick surfaces such as Krylon Ruddy Brown

Antique white craft paint for cement lines

Light grey or cement color paint for cement foundation and frame

Rust Oleum camouflage flat spray paints work well for painting window frames, gutters and doors

Small paint brushes

Paper towels or soft cloth rags

Cyanoacrylate (CA) glue. Also known as Super Glue, Gorilla™ super glue works well

We like the new Gorilla brand super glue because it is thicker than most super glues, and allows you to put it on a seam while holding the part in your hand, and will not run when you turn the seam on the side to put two pieces together. This glue is available in most retailers, including the larger home improvements stores.

CA glue accelerator ((turns any CA glue into quick set glue Medium grit sandpaper or emery board

Testor's Dull-cote™

Small clamps

Flat black or grimy black spray paint

## 1 - Parts preparation & painting

Look over all the molded parts. Remove any flashing. Flashing is the thin pieces of the molding material that may be left in widow openings and along edges in the molded parts. This can quickly be removed with a razor type knife, a small file, or an emery board. If there is a part with unlevelled molded material, a bench sander or sanding paper with elbow grease will take down the thicker parts. It is time to wash parts with soapy water to clean residue from mold release agent. Dry completely. Heat warped parts with hair dryer. Place heavy books on them while it cools down.

Paint the parts in the kit to the colors you select. Do this step before you assembly. All the wall sections come colored in a brick red or yellow coloring. Many modelers find a light coat of flat red auto primer spray paint gives not only a great look, but also makes it easier to add the mortar color lines to the walls. In a well ventilated area (outside is good) apply a coat to the inside (smooth side) of all the brick wall sections first; once dry, do the same to the other side. By painting the **BACK** side first you avoid any marks that might appear on the brick textured side.

Use a similar process for the window frames and doors. You may want to create a theme for your building by painting both of these types of pieces the same color .

The internal wooden pieces do not need to be painted as they are for structural support only {unless being lighted}.

### Option

An optional step that adds a great deal of realism to any model of a brick building is to add the mortar lines to contrast with the red brick color. The ability to lay the wall sections on a flat surface, when done prior to assembly, makes this detail step simpler. There are several ways to do this. Diluted Antique White or Light Grey water based paint until the consistency is as thin as milk. Some commercially available products like Hunter Line White ink. The use of light spackling compound. In all of these approaches the general concept is to spread the white product you are using over the brick walls, filling in the mortar line groves in the wall section, and then removing the excess from the top of the bricks.

We will walk through the water based paint method.

One simple method we have used is to dilute some water based antique white or light grey craft paint to create a soupy like consistency.

- Cover entire wall section with diluted white paint, letting it settle and collect in the mortar lines
- Wait a few seconds and lightly wipe off excess paint using a slightly damp paper towel or soft cloth until paint is removed from the brick surface, but not the mortar joints
- Keep flat and let dry before moving so the paint in the joints does not run
- To remove haze from brick surface, apply a thin layer of Dull-Cote and wipe gently
- It may require several applications to achieve the mortar lines that you want



The good news with this option is that if you don't like it, the paint is water based, so you can get it wet, remove it, and start over.

The foundation should be painted a cement or light grey color once assembled. There are other cement details that also can be highlighted with the cement color you choose.

Once dry, this area should be washed using a mix of either watered down black paint, or alcohol and India ink. The purpose of the wash is to settle the black color in the grooves/joints around the bricks and give definition. The wash should not be so dark as to overpower the cement/light grey color.

## 2 - Install windows film

The windows have a clear plastic sheet stock applied over the opening from the inside of the model to form a finished window.

- Carefully remove any flashing from the window frames
- If the window frames have not been painted, and if you would like to do so, paint them now and let them dry before

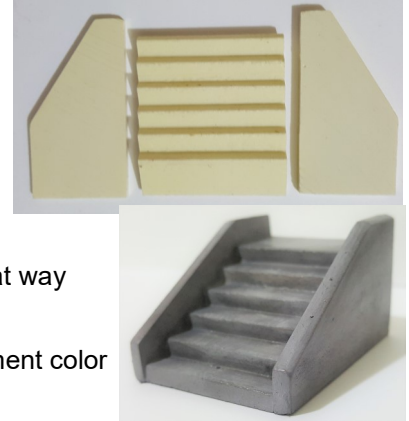
moving to the next step

- Prepare to cut and glue small pieces of window clear plastic material over the back of each window. Consider the following two window detailing option for the windows:
- If you want the window panes to have a hazed affect, lightly sand the window material until you've achieved desired haze effect prior to cutting into small window pieces
- You may also detail the windows with shades by covering the top portion of the window material with masking tape

### 3 - Assembly of Steps

The steps come in 3 molded parts. These parts are glued together to form a set of cement steps with side walls.

- Remove any flashing on the parts . Sand and trim parts to match up.
- When gluing side walls to steps, make sure bottom and back of side walls are flush with bottom and back of steps.
- Place a small amount of glue along the edge of steps. Then attach the side walls to it, that way the glue won't show above the steps.
- Once the steps are assembled and the glue has dried, the piece should be painted a cement color and left to dry



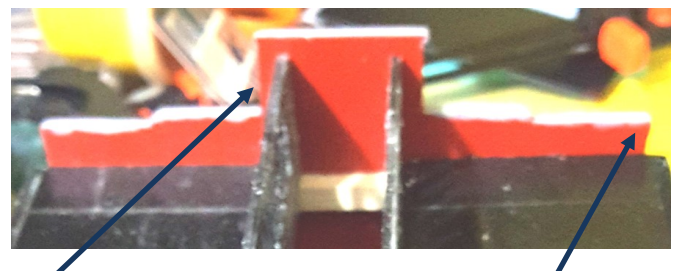
### 4 - Assembly of Main Structure

**Placement of brick walls** Take one sidewall and the front wall and line them up to make a right angle. The use of a small square is helpful. The front wall should overlap the edge of the side wall. Glue the two wall sections together, and add the corner wood support piece in the inside corner to add strength and to create a solid right angle

- Some sanding may be necessary. Rough up edges only where you need to glue
- Continue to process with the other 2 walls.
- Optionally use clamps as necessary to hold pieces together
- Glue the 4 5/8" long 1/4" square wood pieces horizontally flush with the top edge of side sidewalls. Clamp them together and let the glue dry. The purpose of these pieces is to create a support to rest the roof material on in a later step.

It is time to start sanding **2 skylights** to have a snug fit between end walls. Clean flashing from window opening. A sanding stick works well for this. Once satisfied with fit, paint both sides to desired color.

- Then cut window glass material and glue behind each skylight and set them aside to dry completely. If you prefer to make your window glass hazy, rub them with fine sand-paper until you get the desired degree of haziness, then glue behind windows.
- Once dry fitted in place, glue these skylights down making sure to leave 1/4" from sides of top end pieces. The notched ends fit over the end roof supports. This gives enough room for skylight roof to be even with top edge of sides. The roof pieces will overhang the side edges, with groove for gutter facing out.



Leave 1/4" from edge to place skylight

There should be a 1/4" overhang

## 5 - Install Roof

There are two pieces to the main roof. You get to decide which side of building the pieces go on.

- Dry fit the roof parts leaving roughly 1/8" overhang for the rain gutter trench. The inside edge should butt up against the skylight parts.
- Once satisfied with placement, glue along the roof support and wall edge of building and the bottom of skylight that comes in contact with roof edge.
- Then carefully place in the roof piece. Press firmly against the skylight piece and the wall edges until glue sets up.
- Repeat this process for remaining roof piece.

***At this time you may choose to place a dark colored tape like masking tape along the bottom edge of skylights and wrap around to bottom of roof. This is to make sure light doesn't pass through the cracks. It also adds more secure holding power at the joint.***

- Once the main rooves are in, you can install the skylight roof.
- Dry fit in place and if needed sand places to obtain a tight fit.
- Place glue along top edge of skylights and on end edges of roof part, then press down firmly until glue sets.

## 6 - Final Detailing – Weathering

If you have not already done so, glue the steps at end wall front door.

Attach the down spouts to your building.

- Locate the side of building desired for the down spouts Drill a 3/64" diameter hole in wall at top and bottom for the cotter pin anchors.
- Cut the end of cotter pin so it just fits into the hole created. Use a dab of glue to secure in place, making sure the circular end is aligned so spout can fit in both pins.
- Bend the green down spout wires to acceptable shape and size and fit in the cotter pin circular ends with a dab of glue.

Your Korber Building is now assembled and ready for placement on the layout. You may wish to provide some additional weathering. A building next to the tracks would have a layer of soot, and grime.

To add a weathered look, use a very diluted wash of India ink and alcohol or weathering powders or chalk. This will give a sooty look to the building. Once done you can spray the completed structure with Dullcote to remove any gloss or shine.

If you choose not to detail the inside of your structure, or light it, an effective and quick way to make a good looking background building is to cover the widows with black construction paper from the inside. This creates a dark building look that is more desirable than the view into an otherwise empty shell of a building.

