



Korber Models

Scale Model Railroad Structures

165 E MAIN STREET
ATLANTA, IN 46031 USA
765-292-2044
www.korbermodels.com

Model 919 O Scale Acme Dye Company

Compiled by: Tanya Burdick

Introduction

Korber Models #919 O Scale Acme Dye Company

Add a splash of color to your railroad with the Acme Dye Company. This great model is right at home on your layout filing serving the community with dyes that bring color to life on the railroad. This model is a two story brick industrial building that is a perfect fit on your railroad.

The Korber Acme Dye Co. model includes molded brick details roof top details, covered loading dock Rooftop “wooden” water tank and injection molded windows 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 key business on your layout ranging from steam thru modern era.

It includes easy-to-follow assembly instructions. Once assembled this model has approximately a 6” x 9” footprint





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, and now by following a few extra steps you can achieve the same results.












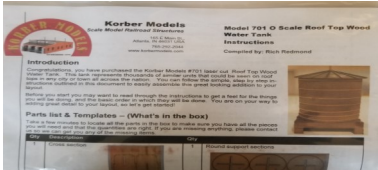

Before you start you may want to read through the instructions to get a feel for the things you will be doing, and the basic order in which they will be done. You are on your way to adding a centerpiece to your layout, so let’s get started!



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 and that the quantities are right. You may also want to spread these parts out so that you have a small separate stack of each part and make it easy to find each as you start the assembly process. If you are missing anything, please contact us so we can get you any of the missing items.

Qty	Description	Qty	Description
1	Front wall	1	Back Wall
			
1	Left wall for loading dock	1	Right wall
			

Qty	Description	Qty	Description
1	Front door stairs 	1	Loading dock roof 5 3/4" 
1	Loading dock sides 5 11/16" , 1 9/16" x 2 	4	Wire for down spouts with 12 cotter pins 
1	Loading dock top 5 3/4" 	1	roof 
4	1/4 wood for corner supports 6" 	1	Plastic glass sheets for windows
2	Chains for loading dock 4 1/4" 	2	Roof Supprts 
1	Chimney 4 pcs. 	1	Loading dock supports 5 3/4" 
1	1 bag 704 roof top water tower 	2	Acme Dye Company sign 

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 a list here, including some color and brand suggestions based on our experience; however you may use any product that fits the function. Please also note that some items are listed as options such that they either make assembly simpler, or are needed only for optional steps

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

RustOleum 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 (optional) (turns any CA glue into quick set glue (optional))

Medium grit sandpaper or emery board

Testor's Dull-cote™ (optional)

Small clamps (optional)

Flat black or grimy black spray paint (optional)

1 - Parts preparation & painting

Look over all the molded parts and remove any flashing that might be left on them. 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. Some may require more grooming than others. Then it is time to wash parts with soaping water to clean of residue from mold release agent. Dry completely.

The parts in the kit will need to be painted to the final colors you select, and it is much easier to do this step before you assemble them. All the wall sections come colored in a brick red, however 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 later on. 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 paint both of these types of pieces the same color to create a theme for your building.

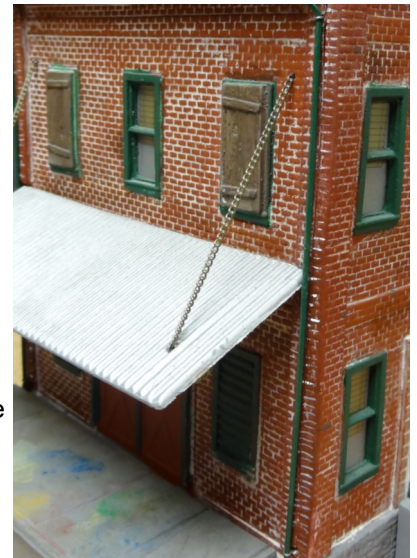
The internal wooden pieces do not need to be painted as they are for structural support only.

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, including use of water based paint (Antique White or Light Grey latex well diluted with water until the consistency is as thin as milk), some commercially available products, and the use of light spackling compound to fill mortar joints. 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 grooves 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 line 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 & cement frame are intended to represent a cement structure that is exposed, and 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 - Assembly & Install windows

The windows are part of the molded plastic and will 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
- Place the walls to which you want to add windows brick side up on a flat surface
- 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 - Steps

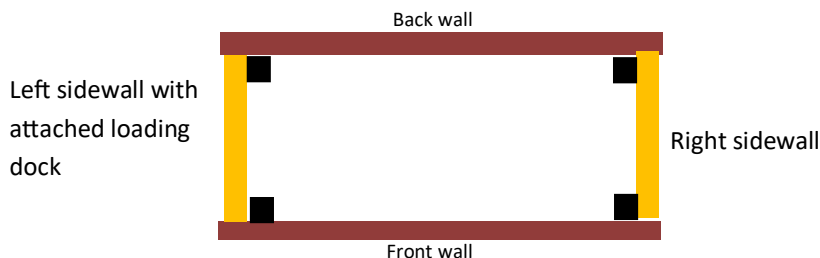
The steps come in a single injected molded sprue. This can be painted or washed with a black India ink dye.



4 - Assembly of Main Structure

Once all the walls have been painted as desired, it is time to assemble. The Front and Back walls go on the outside of the 2 side walls. Make sure the side wall edges are sanded at 90 degree angle to front and back walls. Use clamps to hold building square as glue dries.

The assembly of the main structure is based on making a simple “box” when viewed from the top. There are four walls, two long ones in the front and back, and two shorter ones on each side. 1/4” square wood is used to add strength to the corners, and provide a lip or cleat for the roof section on the top. Below is a top-down view drawing of the relationship of the wall sections and the wood support pieces.



- 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 overlay 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
- Repeat the last step but using the other sidewall, and finally repeat using the other front/back wall to complete the “box”
- Optionally use clamps as necessary to hold pieces together

7 - Build and Install Loading Dock and Roof

The loading dock has four pieces, a front section, two sides and a top section each of which is constructed in a grey—cement color such that painting is optional.

- Glue the two dock side pieces to the dock front piece as shown in the diagram below—note that the front piece covers the end of the side pieces, creating a three sided “U” shaped part.

- Glue the “U” shaped base to the side of the building. Note that the dock sides should mate to slots in the side wall of the building rear.

Dry fit the loading dock top on top of the loading dock base you have just attached to the building, some light trimming or

sanding may be needed to get a tight fit to the building just below the loading dock doors. Once you are satisfied with the fit, glue the loading dock top to the base. The loading dock roof has a corrugated side that should face up, and attaches in a slot above the freight doors. This roof section is supported by chains that connect with cotter pins to the side walls with the loading dock. There is also a long piece of wood to help support the roof within its slotted wall and constructed out of 1/4”x1/4” wood.



7 - Install roof

This BUILDING has a single level rectangular flat roof made from a black material. The intent is to glue this piece to the wood structure which is about 1/4” below the top of the four walls of the building.

- The black roof material measuring is designed to fit inside the 2 walls and rest on the two wood roof support pieces. You can glue in this place. This roof should be flat is using the water tower on the roof. To do this glue the roof supports with the flat long edge facing up.
- You may want to paint the upper inside section of the walls black to match the roof material.
- Once dry, glue the assembly over the front door, placing the top edge of the roof into the slot in the wall

8 - Roof top water tower

Follow the instructions in the 701 wood water tank then attached to the roof. You can attach the enclosed sign to the tower or make your own.

9 - Final Detailing – Weathering

If you have not already done so, place and glue the steps assembled in an earlier step in front of front doors. Also build up the chimney and attach to hole in roof.

Your Korber Building is now assembled and ready for placement on the layout. You may wish to provide some additional weathering before you install it as a building next to the tracks would be a heavily used structure with a layer of soot, and would rarely look brand new.



To add a weathered look, spray the entire model with flat black from a distance. 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 in to an otherwise empty shell of a building.



