

Korber Models

Scale Model Railroad Structures

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Model 914 O Scale 9 3/4" L x 8" W x 7 1/4" H

Gem Packing Inc.

Compiled by: Tanya Burdick




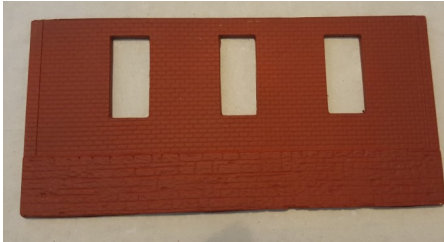


Introduction



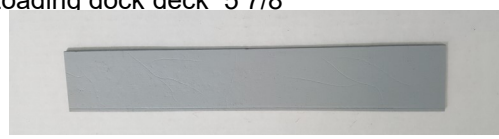





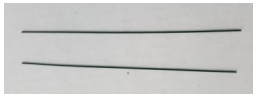






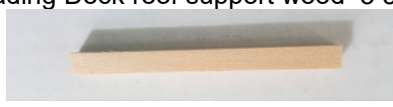




Up and down the mainline and branch lines, industry was everywhere making products for use in domestic and international markets. The Gem Packing plant is the perfect model to represent these small industries. This model can be the center of activity deliver gem and stone goods, and of course larger loads come and go by rail. Factories like this one were common across the heartland of America from the steam through the transition era. This model is a one story brick industrial building that is a perfect fit on your pike.

The **Korber Gem Packing Inc.**, model includes molded brick details, roof top details and water tower, covered loading dock, chimney and injection molded windows to bring life to your model railroad. It includes easy-to-follow assembly instructions. Once assembled this model has approximately a 9 3/4" x 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, 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)

Qty	Description	Qty	Description
1	Side Wall w/ freight door & 2 windows	1	Side Wall w/ 3 windows
	 <p>SIDE WALL #2 Loading dock side</p>		 <p>SIDE WALL #4</p>
1	Front Wall w/ single door and 2 windows	1	Back Wall w/ freight door & 2 windows
	 <p>FRONT WALL #3</p>		 <p>BACK WALL #1</p>

Qty	Description	Qty	Description
2	Main roof supports wood 5" 	1	Main roof 
1	Wood for base loading dock to adhere to building		
1	Loading dock deck 5 7/8" 	1	Loading dock roof 6" 
1	Loading dock foundation walls 2@1 1/2 x 3/4 1@5 1/2" 	9	Windows plus 1sheet clear plastic  
6	Cotter pins 	2	Down spout Wires 
1	Front Stairs 	2	Loading Dock Braces Wood 
1	Dock Stairs 	1	Name Plate and stickers  
3	1– base, 1 top, 1 middle clear plastic tub 	5	4– Corner supports 3" 1—Loading Dock roof support wood 5 3/4"L 
5	4- Roof Top Water tower legs 1 water pipe  	1	Roof top chimney—4 parts  

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 as the flashing can be thick. 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 or yellow coloring, 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.

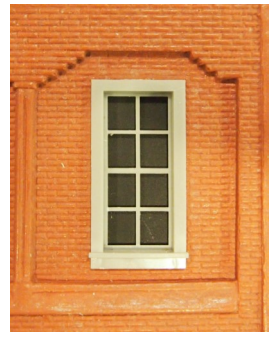
The foundation should be painted a cement or light grey color once assembled. There are other cement details that also can be highlighted with the cement color you choose.

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 made from injection 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
- The windows are designed to overlay the window opening from the front, or outside of the building, and will not fit inside the window opening if installed from the back
- Apply a small amount of glue around the edge of the frame and insert over the openings on the wall sections
- Let the glued windows dry before moving the wall sections to a vertical position to avoid glue running or the windows falling out
- 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

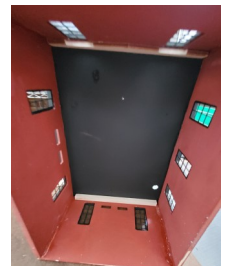
The steps come in 3 molded parts. These parts are glued together to form a set of cement steps with side walls.

- Sand and trim parts to match up.
- Place a small amount of glue along the edge of steps then attach the foundation wall to it, that way the glue won't show above the steps
- On the step for loading dock, just glue edge to loading dock decking and small dab of glue on wall when assembled.
- 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

It is now time to start with wall # 2 with loading dock and wall #4 and rough up the side edges, but make sure they are square to bottom edge. This will help to enable a perfect joining with front and back walls.

- The next step is to lay wall sections # 2 and # 4 face down on a clean work surface. Now glue a 3" piece of wood to the side corners for more support in gluing front and back walls in place. Note: The bottom of supports will sit at bottom of building. Let glue dry completely.
- Now glue side wall #2 to back wall #1. You will notice that the back wall has brick detail on the sides that should join seamlessly with the side wall.
- Repeat for opposite wall #4 and front wall #3. Make sure glue is setup before flowing steps.
- Once dry glue both wall assemblies together, making sure to keep a perfect rectangle.
- Once the building has set up completely, install the roof support for main building on walls #1 and #3. To do this, glue one of the two wooden roof supports even with the side wall top edge. Then repeat for other wall. Let dry completely.
- To install the roof, align the edges with some over hang on either side and glue in place. You may need to trim the ends to have a snug fit.



5 - Build and Install Loading Dock and Roof

- The loading dock has four pieces, a front section, two sides and a top section. Create 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 the side wall of the building.
- Dry fit the loading dock top to the loading dock base, 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. Now flip over the base and glue the wood piece snug to edge attaching to building. This will provide extra glue support as you now attach to building.
- The loading dock roof has a black tar look to it that faces up, and attaches to the rear of the building above the freight doors. This roof section is supported by wood braces that glue on the freight door wall. Following pictures to the right, see the roof support placements.
- Once the supports are aligned with edge of dock roof and glued down, add the dock roof support beam between the 2 supports. When glue dries, it is time for the loading dock roof to be placed just below the building roof and above the freight doors. Glue down. Then add the side steps to side of dock.



6 - Final Detailing – Weathering

If you have not already done so, place and glue the steps assembled in an earlier step in front of the side and front doors.

For the water tower, please follow the instruction included for the 930 water tower. Once completely dry, add to the roof with the water pipe fitting down thru the roof.

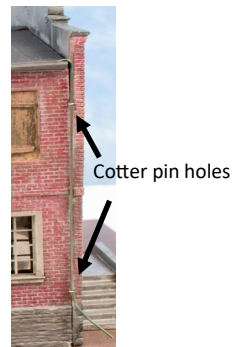
To add the signage, attach the signage as it is a sticker to the sign backing. Then you can attach above front door or on side of Loading dock front or can be glued in place on roof.

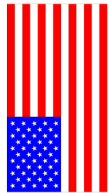
You can now add the **down spouts** to your building. Locate the side of building desired for the down spout, then drill a small 3/64 diameter hole in wall at top and bottom for the cotter pin anchors. You may want to trim the cotter pins so they don't poke through the back or use the ends to help hold the pins in place. Next 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 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. There is one smoke stack for roof if desired. Just glue them to flat roof parts.

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.

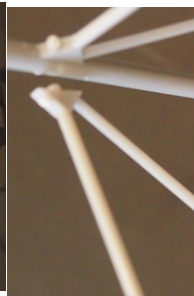
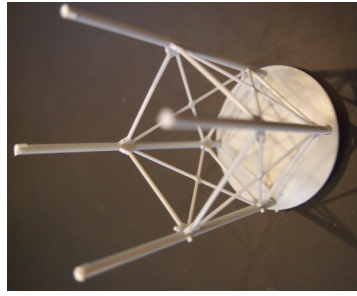
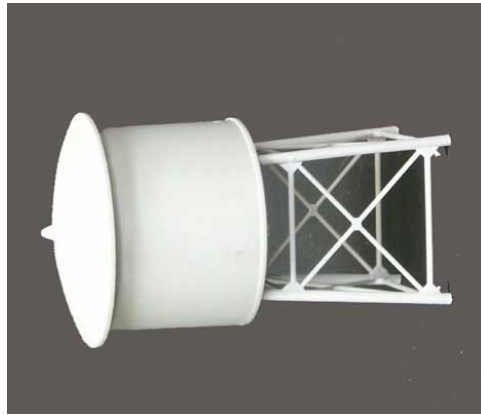




Made In USA

Roof Top Steel Water Tank

Model 930



Congratulations, you have purchased the Korber Models #930 injection molded Roof Top Steel Water Tank. This tank represents thousands of similar units that could be seen on roof tops in any city or town all across the nation. You can follow the simple, step by step instructions outlined in this document to easily assemble this great looking addition to your layout.

This kit like any, requires a few additional items to complete the construction. We have included suggestions; however you may use any product that fits the function. RustOleum flat spray paints work well for painting the kit, Black, Grey or White, Cyanoacrylate (CA) glue, also known as Super Glue, Gorilla™ super glue works well, CA glue accelerator (optional) (turns any CA glue into quick set glue), Testor's Dull-cote™ (optional).

- Remove all parts still on a sprue with a sprue nipper or a sharp razor blade. File as needed making sure any unwanted "nubs" are removed.
- Place the tank bottom, bottom side up on your work surface and install the legs in the four holes in the tank bottom. Do not glue at this point.
- Mate the cross supports up to the legs adjacent to them to create a corner joint. The cross supports have a small tab at the end of them that fits into a small hole in the adjacent leg. Glue the joints and hold together until the corner sets. Repeat for the other three corners.
- Once the four corner joints of the leg assembly have dried, remove the leg assembly from the tank bottom, and apply a drop of glue into the leg holes in the tank bottom. Re-insert the four legs into the leg holes in the tank bottom.
- Once dry, stand the tank bottom on the four legs, and set the tank body on top of the tank bottom. Note the tank body has one end that is slightly larger than the other in diameter, the larger end mates to the tank bottom. Glue in place.
- Next simply add the tank top to the top of the tank body, glue in to place. The end product should look like the photo on the opposite page to the left.
- Optionally you can glue the dowel in hole in the center of the bottom of the tank to represent the large pipe running to the tank
- Spray paint the entire model (usually black, white or grey) and let dry.
- Once dry you optionally can add the included American Flag sticker to the tank.
- Your Korber #930 Roof Top Steel Water Tank is now assembled and ready for placement on the layout. You may wish to provide some additional weathering before you install it as it 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 tank. Once done you can spray the completed structure with Dull-cote to remove any gloss or shine.

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