



FREQUENTLY ASKED QUESTIONS

StoPanel Technology with Kawneer Window System



System Parts, Pieces and Testing

1. What materials are contained in the tested system?

The full, tested system is made up of a StoPanel® (StoPanel Classic NExT ci), just like you are used to supplying it today. It also includes a thermally broken subsill, head and jamb receptors and Kawneer aluminum windows and perimeter sealants..

2. What is included with Kawneer 8225TL Window, and what is not included?

Kawneer supplies the 8225TL windows (window frame, glass, hardware for operable), subsill and receptor extrusions, all subframe screws and gaskets. The StoPanel affiliate should supply anchor fasteners, sealant, backer rod and shims.

3. What design pressure was the system tested to?

The full system was tested by an independent lab to a design pressure of 40 PSF.

4. What type of sealant was tested?

DOWSIL™ 795 silicone sealant.

5. Are details of the system available in AutoCAD?

Yes, and they can be requested from your Kawneer sales representative.

6. What fasteners are required for the system?

See the installation details for fastener specifications and placement.



Project Evaluation

1. What CSI Divisions are windows specified in?

Division 08 – There could be multiple sections; however, 08 5110 is most common for aluminum windows. You can also check other sections specifying windows (wood, plastic or aluminum) or Storefronts and Curtain Wall; all are within Division 08.

2. What are some of the general guidelines to determine if the Kawneer/StoPanel® system is a good fit?

- Low to mid-rise projects, generally capping out at 15-20 stories
 - No higher than a DP (design pressure) of 40 PSF
- Note: Kawneer has many products for high-rise and high wind load; however, they have not been tested with StoPanel®.
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3. What are the major market segments for Kawneer systems?

Kawneer systems are designed for a wide range of commercial applications and segments, including – office buildings, educational, healthcare and hospital facilities, just to name a few.

Panel Fabrication and Installation

1. What is the minimum dimension of the panel on either side and above and below the window rough opening.

Affiliates should use the current standard minimums that they've used in the past.

2. What are the dimensions of the window frame and the rough opening?

The rough opening should be 5/8" larger than the window frame on all edges. The subsill and receptors are shimmed to the StoPanel®. The window sits directly on the subsill and is connected with clips on jambs and head.

3. Is the exterior sealant line required or is it cosmetic?

Yes, it is required and is not solely cosmetic. It prevents water from entering between the receptor and the StoPanel®. There is also a second line of sealant and an interior air seal identified in the installation instructions.

4. What dimensions would allow for sufficient adherence of the sealant to the receptor and subsill?

Typically, use the guidance of the sealant manufacturer. Most recommend a min. 1/4" bearing area and width to depth ratio at 2:1.

5. How are the receptor pieces shipped?

Kawneer supplies the subsill and receptor components cut to length and notched; then, they are shipped disassembled down directly to the affiliates shop. This helps to minimize waste and reduces material and labor costs, as well reduces equipment requirements.

6. Does the StoPanel affiliate assemble the subsill and receptor components?

Yes, the affiliate receives the receptor components prefabricated with gaskets pre-loaded. The affiliate then applies sealant to the receptor ends and attaches the jamb components to the head and subsill components using corner fasteners supplied by Kawneer, creating a receptor box. See installation instructions for detailed assembly.

7. Are the subsill and receptor gaskets pre-installed into the receptor components?

Yes, Kawneer ships the pre-fabricated receptors and subsill with gaskets pre-loaded.

8. What is installed in the StoPanel affiliate's facility, and what is installed on the jobsite?

The subsill and receptor frame is installed into the StoPanel® using shims and anchor fasteners, then two lines of sealant, backer rods and an interior air seal are applied at the affiliates shop. The pre-glazed windows and receptor clips are then installed by the affiliate on site from the interior of the building, which eliminates all exterior work, reducing labor and equipment requirements.

9. How long does it take to install the receptor in the panel in the StoPanel affiliates facility?

The time varies; however, 30 to 45 minutes to set the receptor system, fasten, and apply sealant is a good benchmark.

On the Jobsite

1. Where are the Kawneer products delivered?

The receptor system and all parts that are to be installed in the StoPanel affiliates facility would be delivered there. The windows would be delivered directly to the jobsite.

2. Are all windows delivered at once, or can they be delivered in phases?

Typically, Kawneer will deliver windows to the jobsite in phases when projects are large enough and as it fits with the schedule of the panels being erected.

3. How do the Kawneer windows come packaged for delivery?

Each window is wrapped individually in cardboard and plastic, and then crated.

4. Aside from window installation, is there any other jobsite work required?

Once the pre-glazed window has been placed into the receptor, pre-cut receptor clips, supplied by Kawneer, are installed by the affiliate, securing the window in place. No other work is required on site.

5. How long does it take to install a window on the jobsite?

It should take no more than 30 minutes to place the window into the receptor assembly and install the receptor clips.



Kawneer Products

1. What is a Kawneer window made of?

Kawneer makes window frames made of aluminum alloy 6063-T6 and T5. The Kawneer/StoPanel® tested solution incorporates Kawneer's 8225TL Window System.

2. What is the maximum window size for the 8225TL?

Each project is different, as design pressures and other site conditions impact window sizing. Consult your Kawneer business development manager for sizing restrictions for single and multiple window combinations.

3. What type of finish is on Kawneer framing?

Kawneer window frames can be anodized with one of 6 anodized finishes or painted with a wide selection of available colors.

4. What type of glass does Kawneer use?

Kawneer does not produce the glass units; they strictly manufacture the aluminum components. Kawneer has vendor relationships with a wide selection of the top glass industry manufacturers. Most common is a dual-pane insulated glass with low-e and argon with several low-e options to meet different performance requirements. Triple pane insulated glass is an option if needed, and for certain instances, Kawneer can explore custom glass options. Impact and/or laminated glass options are also available with Kawneer systems.

5. Does Kawneer make doors?

Yes, Kawneer makes sliding and hinged doors. Consult your Kawneer sales representative on a project-by-project basis for the best complete solution.

6. Can I purchase other products aside from the 8225TL Window from Kawneer?

Yes, as a Kawneer customer, you can purchase any product that Kawneer offers. Kawneer manufactures a wide range of products, including Curtain Wall and Storefront systems often seen on large projects in conjunction with the window scope.

7. What is the lead time for Kawneer products?

Lead time varies based on products ordered and time of year, and lead time is determined from when the approved shop drawings are received. Typically lead times are 6 to 8 weeks for the receptors and 12 to 14 weeks for pre-glazed windows. Consult your Kawneer sales representative when a project opportunity arises to confirm current lead times.

8. What is the warranty for the system?

All parts provided by Kawneer are covered under their warranty of up to 10 years on glass. Painted finishes offer warranties as high as 20 years. All other components are covered under the individual warranties, i.e., hardware.

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