

PROPER INSTALLATION OF SCREENS IN VINYL HORIZONTAL SLIDING WINDOWS**SCOPE & PURPOSE:**

This bulletin covers the proper method for installing an insect screen in all series of NT Window vinyl horizontal sliding windows to aid in optimal window & screen performance and ensure the best fit & finish of the screen. Concepts connected to window installation, safety, code compliance, testing & certification, product design and performance (other than general design and performance related to screen installation) are beyond the scope of this bulletin and are not addressed herein.

DESIGN CONTEXT:

NT Window horizontal sliding windows are equipped with a water management or “weep” system designed to channel liquid water from the window to the exterior of the building to prevent water from penetrating past the innermost plane of the window frame and entering the interior of the building. The system consists of “weep” holes positioned in the horizontal plane at either end of both the inboard and outboard sash travel cavities, and a series of connecting “weep” holes cut in the vertical plane of the main frame creating a channel for water to drain out to the exterior of the building. Additionally, there are “weep” holes cut in the vertical plane of the screen track to allow water to drain from that channel as well. For the “weep” system to function properly the “weep” holes and connecting channels must remain clear and unobstructed.

NT Window horizontal sliding windows are also equipped with a PVC track filler, factory-installed in the top screen track in order to keep the screen frame “centered” within the clear opening aiding in optimal screen performance and providing an equal sightline of the screen frame. The track filler must always be positioned at the top of the window. If it is inserted at the bottom, it will obstruct the screen track weep holes and cause excess water to back up into the main sections of the frame.

The screen is equipped with two (2) leaf springs positioned at either end of the bottom edge of the screen which assist in the installation and retention of the screen within the screen track. These springs also serve to hold the screen frame off the bottom of the screen track so it does not obstruct the screen track “weep” holes.

SCREEN INSTALLATION:

Position the screen in front of the window with the leaf springs at the bottom of the screen and the screen spline facing the exterior. Tilt the top of the screen outward and insert the bottom edge of the screen (and leaf springs) into the bottom of the screen track. Tilt the top edge of the screen in while pushing down to compress the leaf springs until the top edge of the screen clears the lower edge of the screen track. Apply gentle, equal pressure to the perimeter of the screen frame until it seats into position within the track. Be careful not to twist the screen frame or apply excessive pressure to the screen frame as this can damage the frame and/or cause the frame corners to separate.