

# STERGIS- StormGate- Impact PVC Picture Window

## Architect's Specifications

**General:** Manufactured by Stergis Windows and Doors, Attleboro, Ma 02703 508.455.0661 www.stergis.com.

**Operating:** Sash shall be a fixed unit set in a frame. Sash is reglazable by removing the snap-in glazing bead from the inside.

**Materials:** All vinyl extrusions shall be rigid 100% virgin uPVC. Main frame profile shall have a nominal wall thickness of .078" and shall have four tubular hollows. On oversized windows, frames shall be reinforced with aluminum.

**Frame Construction:** Frame profile shall be designed to install as a new construction unit with nailing fin and J channel or be fitted with a one piece head expander and sill angle for replacement installation. Overall frame depth shall be 3 1/4". Main frame corners shall be mitered and fusion welded with a minimum melt off of 5mm for maximum strength and leak resistance. New construction jamb depths can be met using a wood extension jamb to meet the 4 9/16" or 6 9/16" wall.

**Glazing:** 3/4" overall laminated glass consisting of the following: One (1) exterior piece of 1/8" annealed glass / one (1) .285" aluminum reinforced butyl spacer system (as stated by manufacturer) / one (1) interior piece of 1/8" annealed glass./ .090" Solutia laminate / one (1) interior piece of 1/8" annealed glass. Exterior glazed with an adhesive structural sealant Sikaflex-552 (as stated by the manufacturer) (refer to drawing # 142194DH\_DP50). The glazing utilized an extruded vinyl snap-in glazing bead measuring .570" wide.

**Available Finishes:** Shall be solid vinyl throughout in white or almond. Optional woodgrain interior and custom color exterior is optional.

**Options:** Grids-- Standard, colonial, and diamond aluminum in-glass grids are available. Glazing-- obscure, Low-E, Argon-filled Low-E, tinted, triple glazing, double strength, Activ Self Cleaning glass, and special tempered can be used. Field muller units, oriel windows, transoms and custom shapes are available. A steep slope sill expander can be used when there are sills with drops over 3/4". Flat casing, 2-1/2" Brickmold and 4" Exterior casing are available.

**TESTING:** **ASTM E 1886-02** "Standard Test Method for Performance of Exterior Windows Curtain Walls, Doors and Storm Shutters Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials."  
**ASTM E 1996-02** "Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Windborne Debris in Hurricanes"

