



Appliance Industry

Saint-Gobain Performance Plastics

provides Dust, Water & Light Sealing, Attachment, Insulation & Vibration Dampening Functions in the Appliance Industry

OVENS



NORMOUNT® Acrylic Foam & Polyurethane Bonding tape
Bonds stainless steel to glass
Bonds frame to glass
Bonds stainless steel to metal

Benefits:

- Superior performance in cold weather shipping tests.
- Black tape is not visible near the window edges.
- Thicker tape allows greater gap for air to flow, which allows oven doors to cool quicker.
- In door applications, the tape performs during the cleaning cycle and at elevated temperatures.
- The most economical high gauge bonding tape on the market that meets and exceeds the performance criteria for door applications.

KOREL® - Microcellular Polyurethane Foam is used on both sides as a cushion and a gasket between the counter top and the glass of the drop in grill (gas and electric). **KOREL®, NORSEAL® or COHRLASTIC®** (depending on temperature requirements) gasket is used around the perimeter to buffer the glass and cabinets.



REFRIGERATORS

NOREX® - Foam Extrusions are used during the foaming process around the perimeter of the two cavities to prevent leaks. They are used near the coil system for vibration dampening, and as a gasket in between the door and cabinet. A skin, all around the foam, prevents the open cell foam exposure. **NORMOUNT® - Acrylic Foam & Polyurethane Bonding Tapes** attach emblems and nameplates to unit.



WASHERS / DRYERS

NORMOUNT® - Acrylic Foam & Polyurethane Bonding Tapes bond decorative trim and metal (face of control panel) to outside of unit. The cellular construction of Normount is an excellent vibration dampener, essential in this application. They attach emblems and nameplates to unit. They help dampening vibrations on side panels when they are used for bonding stiffeners. **NORSEAL® - Closed Cell Foam & COHRLASTIC® - Silicone Foam**, are gaskets for panel to panel sealing throughout the unit. Additionally the foam gasket acts as a vibration dampener and controls noise. It functions as a seal between the dryer vent panel and the wall. **DYNAFOAM® - Foam-In-Place gasketing material**, is used for sealing the back panel in order to avoid humidity leakage.



DISH WASHERS



NORMOUNT® - Acrylic Foam & Polyurethane Bonding Tapes attach stainless steel to the frame. **NORSEAL® - Closed Cell Foam & COHRLASTIC® - Silicone Foam**, are used in between the door panels to absorb sound and vibration in the door. They absorb sound near the door hinges and are used as a gasket underneath soap dish holder.

REFRIGERATED FOOD CASES

NOREX® - Foam Extrusions fill gaps between the top and front door frame, while acting as a thermal seal. They seal under the trim metal / vinyl extrusion on the outside edges. They have a skin all around, that



prevents the open cell foam exposure. **NORSEAL® Closed Cell Foam & COHRLASTIC® Silicone Foam** act as gaskets for panel to panel sealing throughout the unit.

THERMALBOND® - High Density Foam Tape eliminates welding the end panels together before the insulated foam is blown into the unit. The foam prevents condensation from forming on the outside surface of the cooler.

NOREX® - Foam Extruded Profiles are used on the perimeter of the exterior panels to form the cabinet housing. Extrusion acts as an air and moisture seal. They seal under the trim metal / vinyl extrusion on the outside edges.

NORSEAL® - Closed Cell Foam & COHRLASTIC® - Silicone Foam are used as a gasket for panel to panel sealing throughout the unit.



HVAC



KOREL® Microcellular Urethane or NORPRENE® TPE Foam Extrusions- are both low compression set materials ideal for the perimeter of open / close doors and panels to seal water from entering the unit.

NORSEAL® Firm, Closed Cell Foam, AGP™ Alkyl Grafted Polymer Foam & COHRLASTIC® Silicone Foam work as gaskets around roof curbs on all surfaces that come in contact with the unit underside, keeping water, dirt, etc. from being trapped under the unit.

NORMOUNT® Acrylic Foam & Polyurethane Bonding Tapes are ideal to die-cut for emblems, logos, and nameplates. They are resistant to weathering, oxidation, and fungi. They attach hat panels (panels that hold compressor in place) to the base of the unit. The bonding tapes eliminate welding these panels to the unit's base; tape has proven to hold up well in HVAC shake tests.

NORMOUNT® Acrylic Foam & Polyurethane Bonding tape attach roof to unit. Many units are designed so that the unit maintenance does not require the hood to be taken off. Assembling the hood with bonding tape eliminates screws.

KOREL® (Rolls, Sheets and Die Cuts) or NORPRENE® (Custom Extruded Profiles) - these gaskets are ideal for the duct window perimeters. Window covers are often screwed and compressed during transportation. These high performing, low compression set gaskets rebound so that there is an

adequate seal between the duct and unit once they are attached.

KOREL® or NORPRENE® - Foams are ideal for the drain pan perimeter on the bottom of the unit. Low compression set materials allow the pan to be removed without concern of maintaining the seal due to their rebound characteristics.

AIR FILTERS FLOW UNITS

NORMOUNT® Acrylic Foam & Polyurethane Bonding Tapes attach top to unit. Assembling the hood with bonding tape.

KOREL® (Polyurethane) or NORPRENE® (TPE) - these low compression set materials are ideal for the perimeter of open / close doors and panels to seal water from entering the unit.

LO-SKID™ - High Density Non-Stick Surface Foam is used in damper applications. Foam is die-cut into circles to fit size of the branch duct for a zoned comfort system.



HEATING

NORMOUNT® Acrylic Foam & Polyurethane Bonding Tape are easy to die-cut for emblems, logos, and nameplates. They are resistant to weathering, oxidation, and fungi.

KOREL® Microcellular Polyurethane or NORPRENE® TPE Foam Extrusions- are engineered for the perimeter of open / close doors and panels to seal water, dust, air, etc. from entering the unit. Panels can be removed from unit for servicing without concern that the gasket will re-seal after the panel is put back on the unit.

NORSEAL® - closed cell foam & COHRLASTIC® - Silicone Foam, are gaskets used inside furnaces to eliminate air leakage problems in order to be in compliance with air regulations. They are applied in between the inside wall and blower motor to seal out moisture and air. Foam has excellent conformability that is ideal for sealing around curved U-shaped part of the blower motor. It also insulates condenser piping and piping that carry antifreeze used in cooling.



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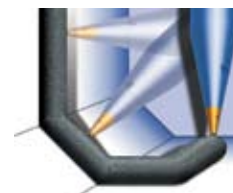
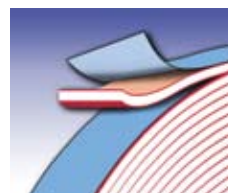
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Saint-Gobain Performance Plastics offers a wide variety of products for Sealing, Bonding and Vibration Dampening applications in the appliance industry :

Sealing, Gasketing & Vibration Dampening :

- AGP™** Ultra-soft, Alkyl Grafted Polymer foam.
- COHRLASTIC®** Silicone Foams.
- DYNAFOAM®** Robotically applied, foam-in-place gasketing material.
- KOREL®** Micro-cellular polyurethane foam with outstanding compression set characteristics.
- LO-SKID™** Firm polyurethane foam with high coefficient of friction coating for bumpers and foot pads.
- NOREX®** Soft, compressible foam extrusions. Custom profiles.
- NORPRENE®** Extruded thermoplastic elastomeric foam profiles offer higher service temperature and better chemical resistance.
- NORSEAL®** Closed cell foam for sealing.

Bonding :

- NORMOUNT®** Acrylic tape & polyurethane foam. High performing bonding tapes.
- THERMALBOND®** High gauge, very firm bonding tape.

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