GARIBALDI
GLASS since 1966

INTRODUCING

REACTIVE THERMOPLASTIC SPACER [REACTIVE TPS®]

Garibaldi Glass presents a new addition to our product lineup following the installation of our new Forel Insulated Glass Line. Coming Fall 2024, we will proudly be offering the H.B. Fuller Kommerling reactive thermoplastic warm edge system. This innovative technology combines spacer, desiccant, and primary seal into a single solution, delivering enhanced performance and simplifying manufacturing processes.

CAPABILITIES

ENHANCED PERFORMANCE:

Superior warm edge performance, ensuring improved energy efficiency and extended product lifespan.

SEAMLESS INTEGRATION:

The black sightline effortlessly integrates with various frame colors, maintaining aesthetic uniformity.

STABILITY:

With stable performance up to 90°C, this technology prevents spacer migration and maintains consistent sightlines without silver or butyl.

GLOBAL CERTIFICATION:

Reactive TPS® is globally certified, guaranteeing excellence and reliability in every project.

ADVANTAGES OVER HARD SPACER BAR

VERSATILITY: Offers unlimited IGU shapes and designs, exceptional thermal performance, maximum gas tightness, and low MVTR.

FLEXIBILITY: As a permanently flexible spacer, Reactive TPS® maintains elasticity and chemical bonding, ensuring mechanical performance during environmental changes.

DURABILITY: Remains gas-tight during expansion and compression cycling, leading to longer service life and minimized chances of failure.

MANUFACTURING PROCESS

EFFICIENCY: Reduces process steps and accelerates manufacturing with continuous production and reduced waste.

PRECISION: The applicator ensures precise overall IG unit thickness, better dimensional consistency, and minimized variability.

AESTHETICS: Creates a beautiful IGU with its invisible edge seal and perfectly aligned multi-cavity units.

Rev. B: May 2024

ENVIRONMENTAL BENEFITS

OPERATIONAL CARBON

Reactive TPS® offers daily energy savings, contributing to reduced operational carbon footprint.

EMBODIED CARBON

With minimized carbon footprint and prolonged service life, Reactive TPS® ensures the lowest total carbon cost over time.

REACTIVE TPS® vs HARD SPACER BAR

This warm edge system offers unlimited insulating glass unit [IGU] shapes and design, excellent thermal performance, maximum gas tightness and low MVTR. As a permanently flexible spacer, its high elasticity and chemical bonding result in better mechanical performance during environmental changes.

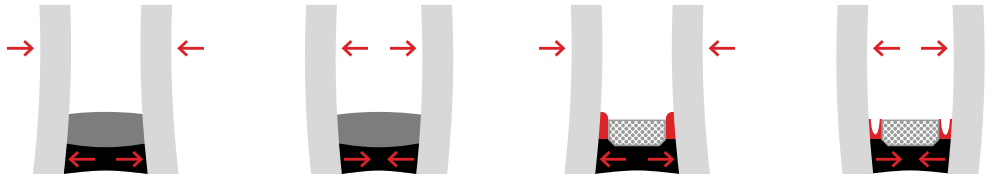

Figure 1: Reactive TPS® stays gas-tight during expansion and compression cycling of the unit. Stress is extended over the full spacer width and not concentrated only on the edges. This helps retain gas tightness and energy efficiency.

WHY REACTIVE THERMOPLASTIC SPACER [REACTIVE TPS®]?

CHEMICAL BONDING: Forms a cohesive, chemically bonded edge seal, offering superior heat stability, resistance, and durability.

VERSATILITY: Easily hot-applied in any size and shape of unit, Reactive TPS® adapts to diverse project requirements with unmatched efficiency and quality.

With Reactive TPS®, Garibaldi Glass brings a game-changing solution to the glazing industry, promising enhanced performance, simplified manufacturing, and long-term sustainability. Join us in embracing the future of glazing technology.

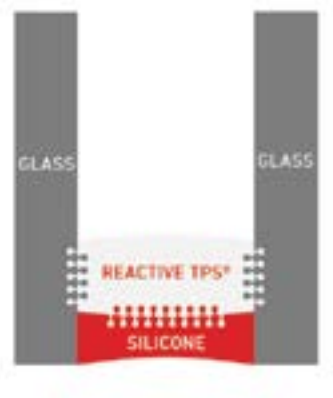

Figure 2: Reactive TPS® perimeter detail

COMING FALL 2024

FOR MORE INFORMATION PLEASE CONTACT YOUR SALES REPRESENTATIVE.

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