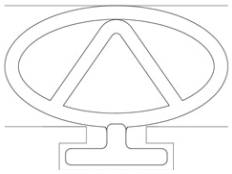
# Ultrafab's MHB Seals

## EXTRUDED MULTI-HOLLOW BULB SEAL TECHNOLOGY

Ultrafab's extruded MHB weather sealing option has been designed to meet or exceed the performance requirements for today's most demanding applications. The strategic placement of a bulb inside a bulb creates a multi – chambered structure when the bulb is in a compressed state (see below). The three chambers that are created make for improved thermal and sound abatement properties over standard hollow bulb seals.



### KEY ADVANTAGES

- Can be "fine tuned" for specific applications by adjusting the relationship between the inner and outer bulbs
- Seals come with a slip coat feature that allows for a low co-efficient surface
- Designed to reduce any loss of functional height, maintaining its original shape after multiple open/close cycles
- Product is heat-weldable and fully recyclable
- Long term resiliency that will provide protection against short term and long term air and water infiltration

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# PRODUCT FEATURES AND BENEFITS

## Closing Force

During the early stages of compression, the MHB seal requires minimal force. At the later stages of compression, the outer bulb makes contact with the inner bulb and closing forces build rapidly to provide excellent sealing pressure against the mating surface. This high level of sealing pressure is what makes the seal extremely effective against air and water infiltration.

## Slip Coat Options

All MHB seals come with the slip coat feature. This technology allows for an extremely low co-efficient surface. When compared to other sealing technology, the new MHB seal mitigates the natural tendency to “bind or tear” when in tight, operable areas.

## Available Configurations

All standard and custom shapes are available in a variety of colors, including white, black, tan or brown. The rigid or base portion of the seal can be manufactured with talc-filled materials to reduce stretching during insertion or expansion and contraction in demanding applications.

## Sealing Technology Comparison

Utilizing the chart below, the characteristics of various compression seal technologies are evaluated based on criteria that is critical to any design engineer developing fenestration products where air and water penetration must be taken into account. The chart shown reviews the various parameters for a quick reference guide.

| Seal Type | Consistent Low Closing Force | Longevity | Sound Abatement | Lip Pressure/ Compression Resistance | Low Co-Efficient of Friction (standard coating) | Resistance to Water Absorption |
|---|---|---|---|---|---|---|
| TPE Bulb | Very Good | Poor | Good | Poor | Good | Good |
| Urethane Foam | Good | Excellent | Excellent | Excellent | Very Good | Poor |
| TPE Foam | Poor | Very Good | Excellent | Very Good | Good | Good |
| **Multi-Hollow (MHB)** | **Excellent** | **Very Good** | **Very Good** | **Excellent** | **Very Good** | **Good** |
| Thermal Set | Good | Excellent | Excellent | Excellent | Good | Excellent |

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