

Ultra Flexible Spacers

- Aluminum Compound flexible spacer
- Ultra-Compound flexible Spacer
- Ultra-Plastic flexible spacer

Spacers

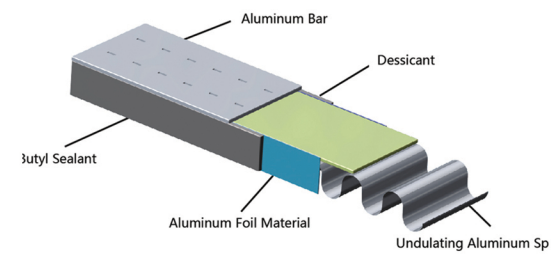
Insulated glass units (IGUs) consist of two or more glass panes separated by a spacer with air or gas filling the space between each pane. The spacer provides insulation from outside elements and helps maintain a comfortable indoor temperature. For increased insulation, a third or fourth layer of glass can be installed. The core concept remains the same regardless of the number of panes used. The TG-Aluminum spacer is an aluminum compound sealing spacer for IGUs. It offers a more aesthetically pleasing design and stronger support together with a unique patent and excellent quality topping in the world an ideal choice for making insulating glass.

Benefits

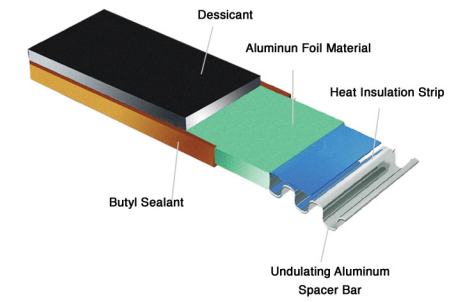
Reducing energy use and carbon emissions is a top priority in the building and construction sectors. Improving fenestration product energy performance can significantly save energy because windows account for about 30 to 50 percent of transmission losses through building envelopes. Optimizing the thermal performance of individual window components is essential to achieving a good overall thermal performance for the entire window product.

Spacer Categories

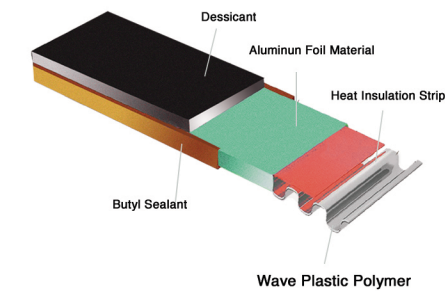
Aluminum Compound flexible spacer



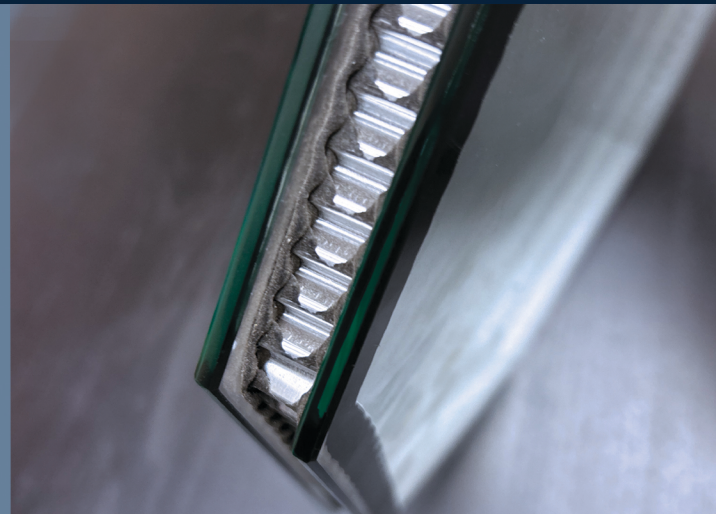
Ultra-Compound flexible Spacer



Ultra-Plastic flexible spacer



Ordinary single-pane, single-strength glass is an unsafe material choice for outdoor applications due to its inability to sustain unexpected wind forces and severe weather conditions.

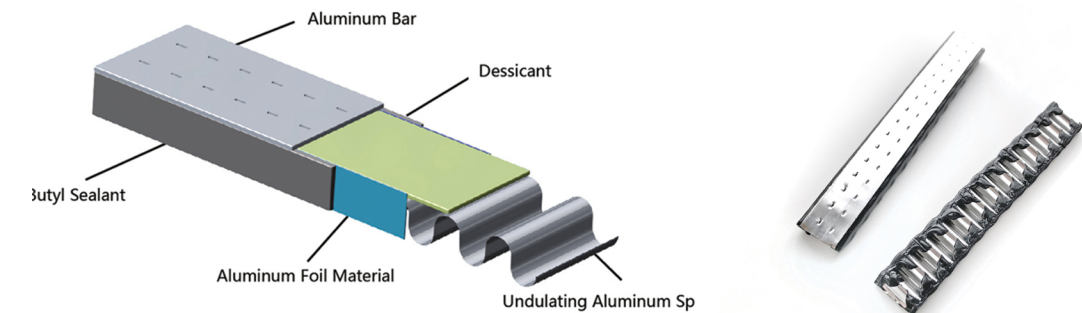


Insulating glass units provide increased strength and are recommended for residential, commercial, and industrial structural glazing applications. In today's environment when energy efficiency, extended product lifecycle, and affordable prices are a necessity, a good quality warm edge spacer for your IGUs is crucial. We offer product support, lab testing, and consulting with excellence in overseas logistics to help your company get the attention it deserves.



Aluminum Compound Flexible Spacer

The aluminum compound sealing spacer for IG is the perfect combination of strength in the aluminum strip and sealant in the spacer. It offers a more aesthetically pleasing design, stronger support, and unique patent and excellent quality topping in the world, making TG-Aluminum spacer the ideal choice for insulating glass.



Components

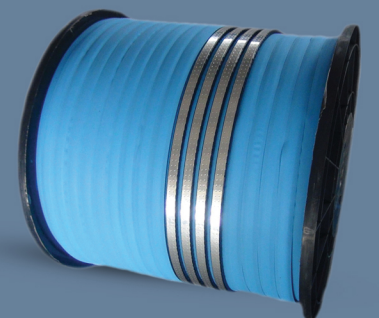
- Aluminum Bar topcoat
- Moisture-resistant adhesive (butyl)
- Desiccant
- Aluminum foil
- Flexible corrugated aluminum stabilizer.

Benefits

- Glass looks elegant with an aluminum finish.
- Aging resistant
- Easy installation.
- Resists Ultraviolet irradiation.

Features

- Thermal Insulation: K value in coefficient of thermal conductivity below 3.0KW/M2
- Sound Insulation: To reduce outdoor noise to 27 – 50dbs.
- Resistance to dew condensing and frosting.

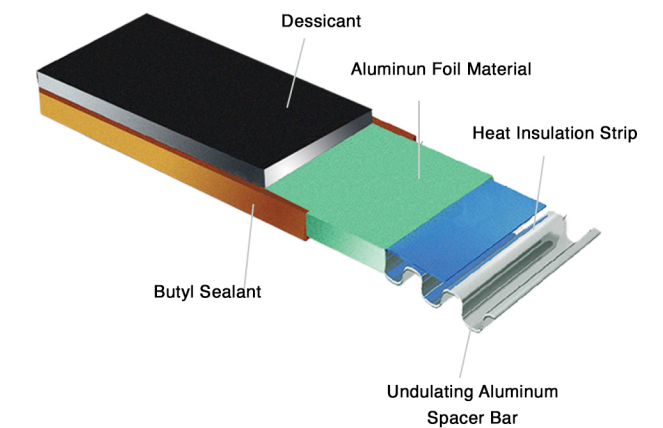


Aluminum Compound Flexible Spacer



Ultra-Compound flexible Spacer

The compound used is a poor thermal conductor which avoids thermal bridging due to the temperature lowering near the glass's perimeter zone, which favors condensation creating a favorable environment for mold, deterioration of the frame, degradation of sealant, and shortening the service life of the insulating glass.



Components

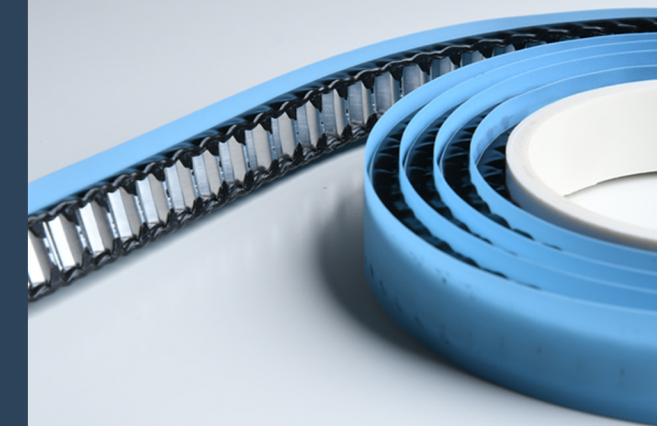
- Desiccant
- Butyl Sealant
- Aluminum Foil
- Heat insulation strip
- Undulating aluminum spacer bar

Benefits

- Smooth surface appearance
- Excellent argon gas retention
- Improved condensation resistance
- Wavy Aluminum belt is flexible and supports easily curled areas.
- No need for a secondary seal.
- Long moisture transmission channel.

Features

- Thermal Insulation: K value in coefficient of thermal conductivity below 3.0KW/M2
- Sound Insulation: To reduce outdoor noise to 27 – 50dbs.
- No dew at -40oC

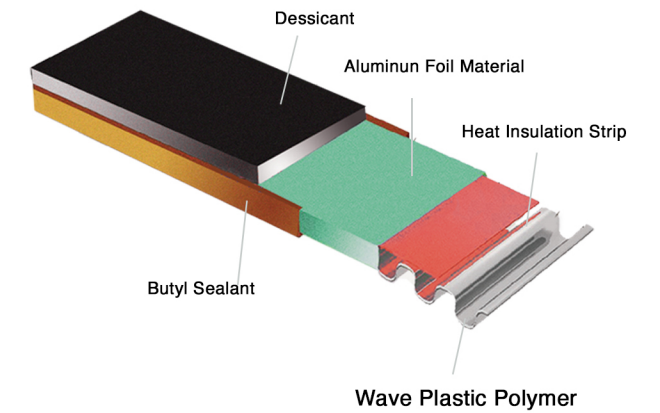


Ultra-Compound Flexible Spacer



Ultra-Plastic flexible spacer

Great thermal insulation: no metal conduction and its energy saving & noise reduction index are better than that of the dual-sealing aluminum-frame insulating glass. Strong flexibility: The flexible warm-edge spacer can be bent to make it easy to produce a variety of irregular insulating glass. Optimizes stability: excellent wind pressure resistance and aging-resistance performance, low product failure rate, and long service life. High efficiency: the single-sealing system eliminates secondary sealing; therefore, it simplifies the production process.



Components

- Desiccated topcoat
- Moisture-resistant adhesive (butyl)
- Continuous - 3sided foil moisture vapor barrier (high-density polyethylene)
- Non-metallic stiffener (polypropylene)
- Flexible corrugated plastic (polycarbonate)

Benefits

- Smooth surface appearance
- Real warm edge spacer, no metal.
- Superior argon gas retention
- Improved condensation resistance
- It can be used for specially shaped glass.
- Reduced risk of mold formation
- Strong flexibility
- High efficiency and stability.

Ultra-Plastic flexible spacer

Features

- Thermal Insulation: K value in coefficient of thermal conductivity below 3.0KW/M2
- Sound Insulation: To reduce outdoor noise to 27 – 50dbs.
- Resistance to dew condensing and frosting.
- Excellent UV resistance.



Available Sizes

Size	Size (In)	Meters/Roll	Feet/Roll
6.5	1/4"	805	2641
8	5/16"	762	2500
9	23/64"	701	2300
9.5	3/8"	683	2241
10	25/64"	621	2038
11	7/8"	619	2031
12	15/32"	533	1749
13	1/32"	533	1749
14	35/64"	497	1631
15	9/16"	497	1631
16	5/8"	463	1520
18	45/64"	415	1362
19	3/4"	399	1309
20	25/32"	366	1201

Packaging

Our packaging is designed for extended product shelf life, with a failsafe pressure valve integrated right into the sealed skins. Spacers are first spooled then vacuum packed and sealed. Once they are air sealed, they are further packed into a cardboard box to further protect the air-seal during storage. The sealed boxes are then placed on skids and shrink wrapped



Tycoon Global was established in 2014. At TG, we have created a smooth, streamlined and more efficient process to provide the highest quality our customers expect. This results in added value to our products at a lower cost, enabling our customers to earn a higher return from their end users. This is our mission and we are passionate about it. Our company's name, "Tycoon", stems from the TAIKUN, a Japanese term of "Supreme Commander" and "business magnet". Through inspiration, innovation and discipline, Tycoon Global provides customers around the world with the highest standards and quality.

