AGNORA



# Chromatech Ultra
## Warm Edge Spacer

High-end, luxury windows require the best materials to meet our stringent quality standards. AGNORA uses the latest in the warm edge spacer technology, eliminating or reducing condensation while providing energy saving performance.

Poor performance windows are prone to condensation, wetness, and unsightly water stains which may cause a range of additional problems including water damage, mold and mildew. Chromatech Ultra warm edge spacers, eliminates these issues.

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# AGNORA

## IMPROVED THERMAL PERFORMANCE

The Chromatech Ultra warm edge spacer is the best-in-class solution for improved thermal efficiency. Up to a 98.8% reduction in heat transfer (vs stainless steel) and up to a 78% comparative improvement in condensation prevention. This adds up to dry, fungus free windows that reduce household energy consumption (up to 6%*).

## A BETTER SEAL

Warm edge spacers by Chromatech Ultra possess increased rigidity and stability required for custom, oversized IGUs. The ribbed design provides additional surface area for the adhesion of the secondary sealant, producing a more robust and durable IGU.

## CUSTOM SHAPES, AMAZING SIGHTLINES

The workability of the Chromatech Ultra warm edge spacer permits custom bending and shapes, introducing a world of custom IGU configurations.

The use of corner keys, versus traditionally bent corners, provides a crisp, finished look to the IGU. It further reduces the encroaching sightline caused by bending.

## SIZE & COLOURS

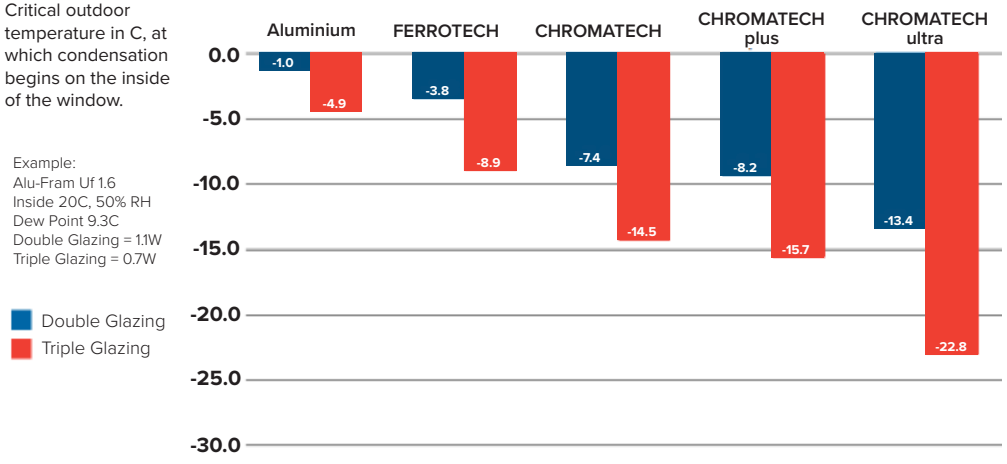
Available in both black and grey.
Available in spacer widths of:

| | | |
|---|---|---|
| 12.5 mm | / | 1/2” |
| 15.5 mm | / | 5/8” |
| 17.5 mm | / | 11/16” |
| 23.5 mm | / | 15/16” |

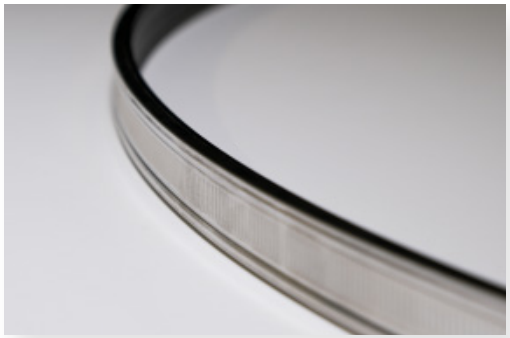
## THERMAL PERFORMANCE EXAMPLE

Critical outdoor temperature in C, at which condensation begins on the inside of the window.

Example:
Alu-Fram Uf 1.6
Inside 20C, 50% RH
Dew Point 9.3C
Double Glazing = 1.1W
Triple Glazing = 0.7W




WARM EDGE spacers reduce the energy bill and improce indoor climate.







**TOP LEFT:** Custom bending and shapes are available on a per project basis.

**TOP RIGHT:** Bottom bend and top corner key example.

**BOTTOM:** Bottom bend and top corner key example illustrating what is seen on interior of the IGU.

* https://www.mdpi.com/1996-1073/10/5/717/htm
** https://www.rolltech.dk/CustomerData/Files/Folders/9-chromatech-plus-pdf/74_folder-chromatech-uk.pdf

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