

# TruPlas™

TruPlas™ spacer is a rigid, glass reinforced thermoplastic spacer technology by Edgetech UK, a Quanex Building Products company.

TruPlas spacer has been designed for increased stability and strength over other rigid warm edge spacer bars and features a ridged surface for a more traditional appearance.

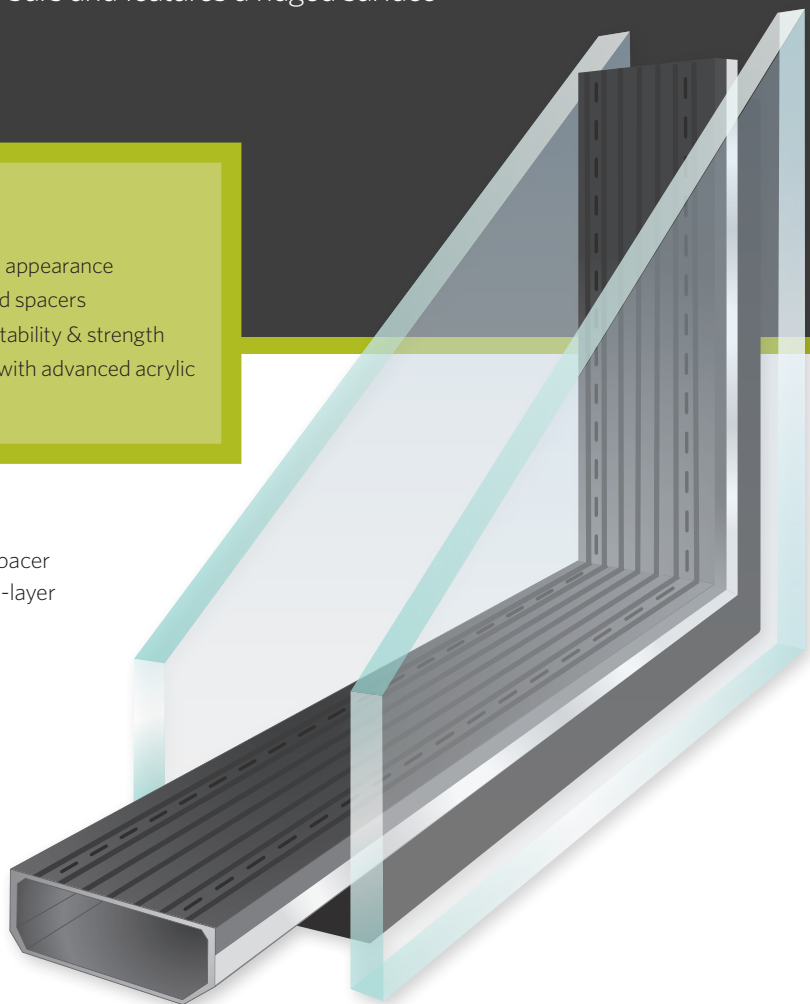
## TruPlas Key Benefits

- Ridged surface for a more traditional appearance
- 8 x more perforations than other rigid spacers
- Structurally designed for increased stability & strength
- Uses existing proven vapour barrier with advanced acrylic which strengthens under heat

TruPlas Spacer is a dual seal insulating glass spacer system that is backed with a proprietary multi-layer moisture vapour seal.

## Compatible sealant:

- ✓ Hot Melt Butyl
- ✓ Polyurethane
- ✓ Polysulphide
- ✓ Silicone



## MACHINERY & PRINTING OPTIONS

### Manual - Saw

Computer controlled spacer bar cutting saw suitable for warm-edge, aluminium and steel bars.



#### Standard features:

- Heavy duty cutting blade, TCT or HSS, 250mm diameter 32mm bore
- Inverter drive for variable / programmable speed of cutting blade
- Min cut length 50mm, max cut length 2900mm
- Moving measuring carriage running on precision guides driven by steel braided belt
- Two handed operation, one to clamp bar, one to raise up cutting blade
- PC based motion control system
- Power supply 220/240v 1ph + E\*, installed power 1.5Kw
- Compressed air supply 5 bar
- Data entry via keyboard, disk, data stick or network
- Saw and printing combination – online inkjet printing directly onto bar
- Label printing

### Automatic - Bar Bending Machinery

Our TruPlas Bar Bending machinery uses an automatic temperature controlled bending process. Just enter the required width and height and the bending process runs with minimal operator input. Each frame can be produced in less than 60 seconds.

#### Machine features include:

- Bending table with smooth surface
- Capacity for spacer widths from 7.5mm to 24mm
- Capacity for spacer heights from 6.5mm to 8mm
- Pneumatic bending operation
- Fully automatic bending process of all 3 or 4 corners
- User friendly touch screen display



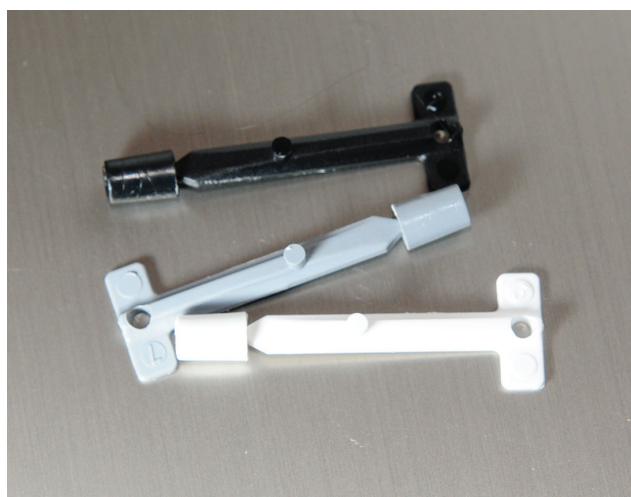
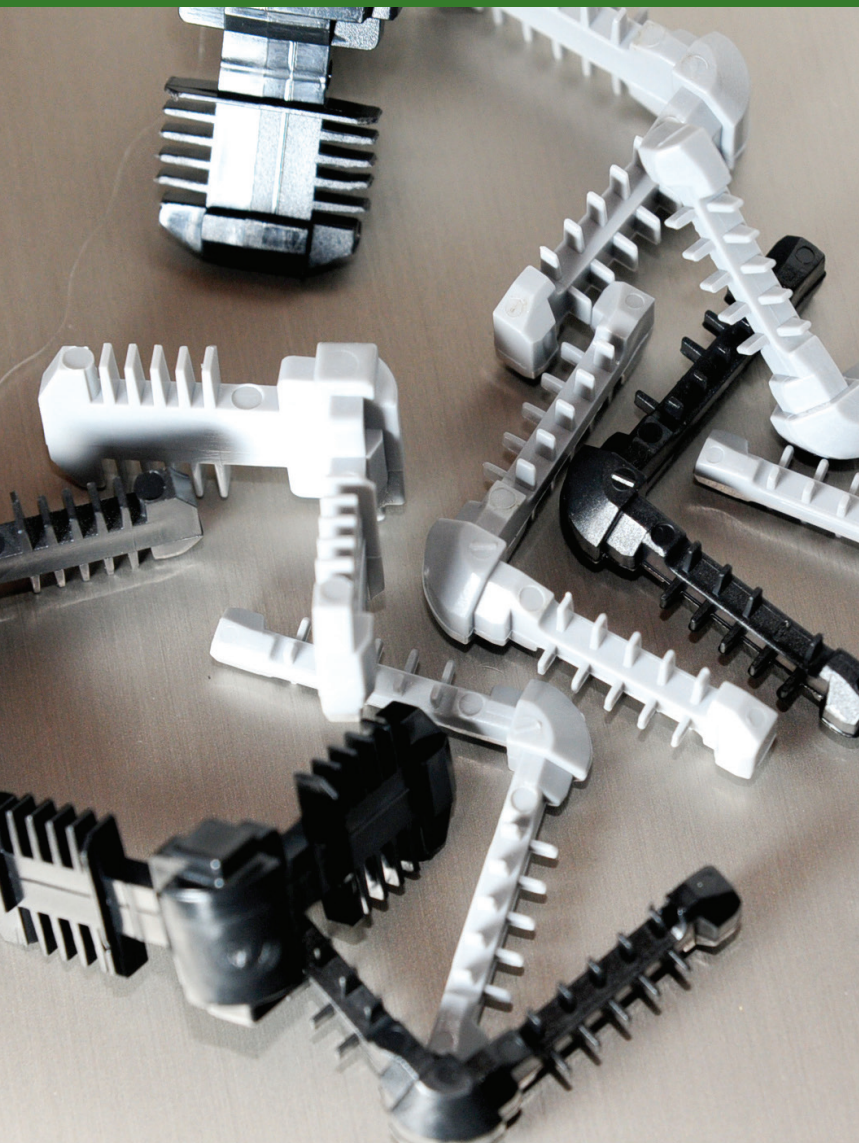
### Printing

The intelligent Technology in Domino's A420i meets your exact coding needs with reduced make up use and no servicing, yet costs less to run than any other ink jet printer.

**Lowest make up usages** - The A420i printer has the lowest make up consumption of any ink jet printer, saving you time and money: make up typically lasts four times longer than other printers in its class.

**Reliable** - The A420i printer is always available - with typically class-leading 99.75% reliability.

**Service free - no maintenance, no fuss** - At the heart of the i-Tech ink system is the revolutionary Qube, which contains the working ink and ink filters. Changing the Qube is a job that anyone can do in less than 10 minutes.



## TruPlas Keys

TruPlas rigid spacer is available with a complete range of connecting keys for cut and key and Georgian applications.

### Standard Corner Key

- TruPlas standard corner keys are available in black, white or light grey to match seamlessly with the TruPlas spacer bar colour, maintaining the edge aesthetic
- Available for a wide range of cavity widths – from 8mm to 20mm

### Gas Corner Keys

- TruPlas gas corner keys are also available in black, white or light grey
- TruPlas gas corner keys come in 2 different types – one with a hole for injecting gas into and one without
- Gas key plugs for use in combination with the gas corner keys with hole are also available in the same colours as the keys and ensure gas is effectively sealed inside the unit



## Warm-Edge Features & Benefits

- Low thermal conductivity
- Substantially reduced perimeter condensation
- Very good UV resistance
- Excellent high/low temperature performance

## EdgeSeal Durability

- No chemical fogging
- 8 x more perforations than other rigid spacers to prevent HMB “blowing out” in the corners

## Productivity

- Complete range of keys available for cut and key and Georgian applications
- No need for equipment investment - traditional unit manufacturing process
- Specialised heated bar bending machinery available for high-volume production

## Pleasing Aesthetic Appearance

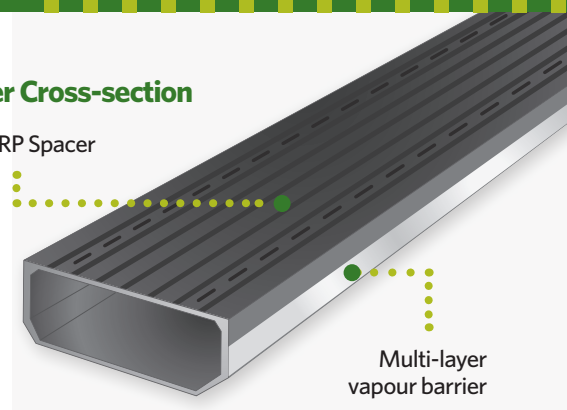
- Standard black, white and light grey colours available; good colour stability
- Matte surface finish
- Ridged surface for a more traditional appearance
- Straight-line application with sharp 90° corners

	Performance	Norm
<b>Thermal conductivity with desiccant</b>	0.14 W/mK	EN 10077-2 WA 17/1
<b>Primary seal</b>		PIB recommended
<b>Verified secondary sealants</b>		Hot Melt Butyl Polyurethane Polysuphide
<b>Fogging</b>	No fog in visual area	EN 1279 - 6
<b>Gas Retention</b>		EN 1279 - 3
<b>I.G. Durability</b>		EN 1279 - 2

Note: Thermal conductivity values for 16mm width spacer

## Spacer Cross-section

Rigid GRP Spacer



## Boxed Quantity

Product Code	Width	Unit Cavity	Lengths per box	Total per box (m)
<b>RSS-S08B</b>	7.5mm	8 mm	180	900
<b>RSS-S10B</b>	9.5mm	10 mm	140	700
<b>RSS-S12B</b>	11.5mm	12 mm	120	600
<b>RSS-S14B</b>	13.5mm	14 mm	100	500
<b>RSS-S16B</b>	15.5mm	16 mm	90	450
<b>RSS-S18B</b>	17.5mm	18 mm	80	400
<b>RSS-S20B</b>	19.5mm	20 mm	70	350

Note: Tolerances for each nominal size are +0.1mm / -0.4mm.

## Colours

TruPlas spacer is available in black, white and light grey.

## Composition

Glass reinforced thermoplastic.

## Desiccant Fill

We recommend that you follow the desiccant manufacturer's desiccant fill recommendations to ensure the correct volume is used.

## Packaged Length

TruPlas Spacer is packaged in lengths of 5 metres.