

**TENSIONING SYSTEM  
FOR FLEXIBLE  
VINYL SUBSTRATES**

**SignFlex**



**MAGIT**

# SignFlex

## Tensioning system for flexible vinyl substrates

large format illuminated signs: light-boxes, channel letters, canopies.

### 4 reasons to choose our system

1

#### Versatility

The system has been designed for constructing of light-boxes, channel letters and other spatial forms. Thanks to special construction the Cover is anchored in the SignFlex Body; this grants a sharp look in case of straight light-boxes and strengthen the construction of channel letters.

2

#### Quick & Easy Assembly

**SignFlex** does not require any sophisticated tools for assembly – all can be done with a riveter and a drill. The system is delivered either in bar lengths (6 meter extrusions) or in cut to size assembly kits. In case of the second option, we design the construction to given size and the kit can be assembled even at the installation site. This saves both transport and off-cuts costs.

3

#### Optimal Depth

The system **depth of 175 mm** has been carefully selected based on wide experience in creating illuminated signs: it secures good light diffusion on one hand and a neat look on the other.

4

#### Quick dispatch, competitive price

SignFlex is focused on economy: all efforts has been made to reduce its weight, and to employ – where possible – standard, inexpensive aluminum profiles. As we stock all profiles in our premises in Wrocław, the dispatch of orders is really quick and efficient.



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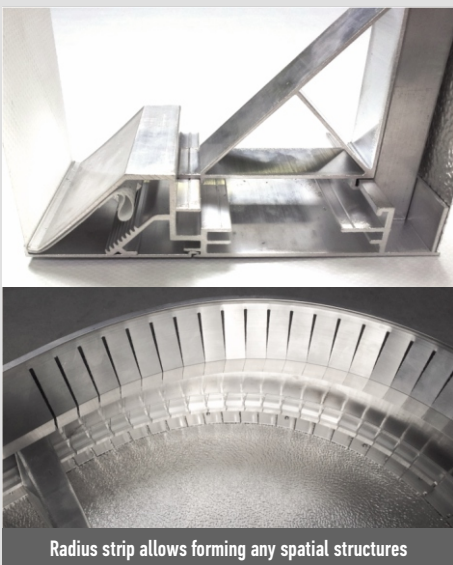
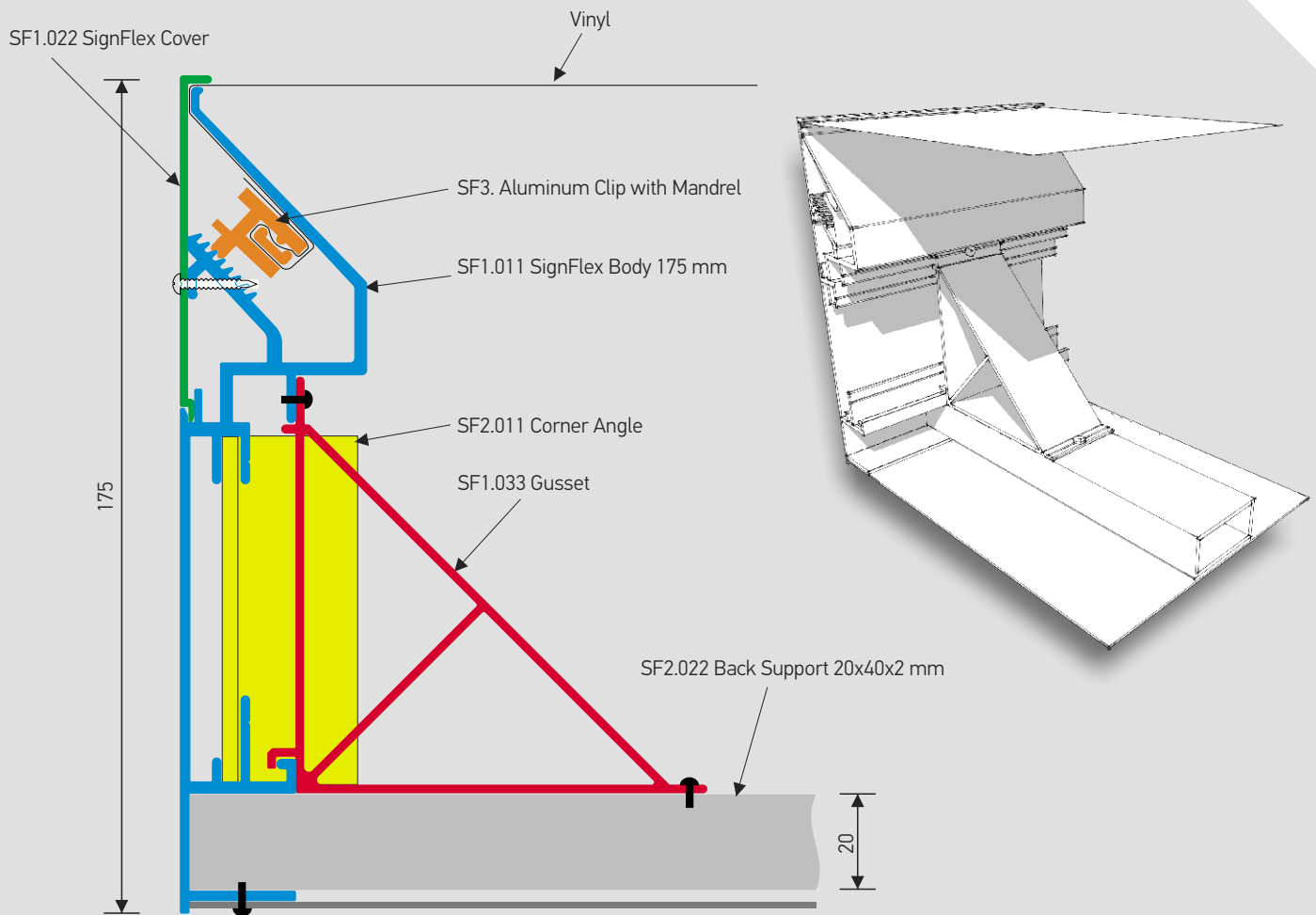
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## SignFlex Standard - Depth - 175 mm



Radius strip allows forming any spatial structures

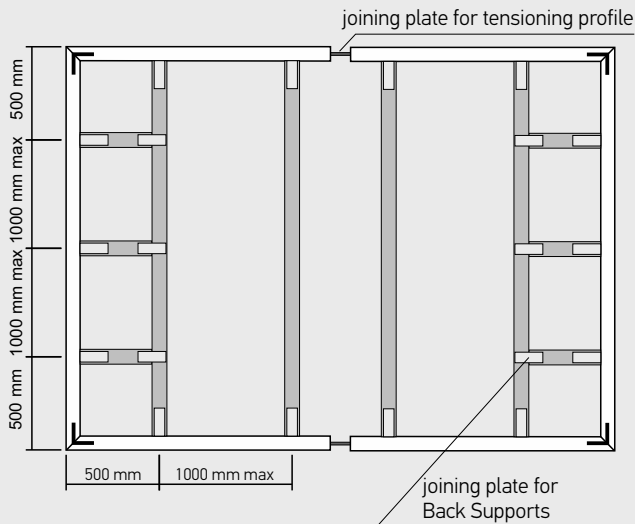


## Tensioning system for flexible vinyl substrates

### TECHNICAL HINTS

#### Light-box assembly from kit

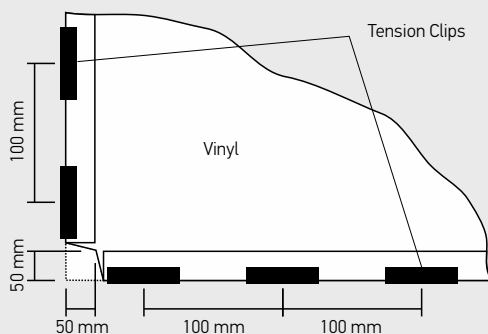
- › First we measure Back Supports positions, according to following rules:



- › Pop-rivet all elements.
- › Finally fix the backing sheets with pop rivets or screws.

#### Tension Clip Placement

- › The tension clips are to be placed approximately 35 mm in from the edge of cut to size face material. The distance between clips should be 100 mm, i.e. 10 clips per meter.



#### Preparation of Vinyl

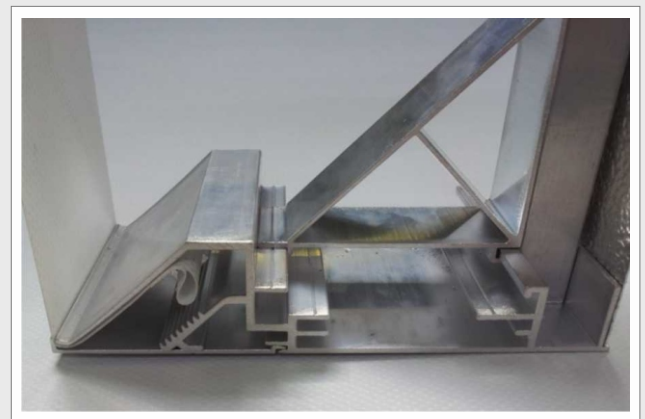
- › The vinyl face should be bigger by 90 mm on each side of the light-box
- › Trim vinyl surplus in the corners when fixed in the frame.

#### Tensioning of Vinyl

- › Hang vinyl with clips into the top of the box, engaging clips for one click.
- › Repeat the same at the bottom of the box.
- › Remove creases by running your hand along vinyl at the top and bottom of the box.
- › Engage clips at the sides of the box and tension them to remove possible creases.
- › If the above mentioned procedure has been carried out correctly, the face should be enough tensioned, you only need to press evenly clips on top and bottom of the box.
- › The last thing to be done is to cut off surplus vinyl from the corners, in order to allow the cover to fit properly.

#### Note:

- › The face over-tensioning will not remove creases, but will deform aluminum frame. Creases can be removed only by releasing the clips, and after correcting its placement, retention face again.



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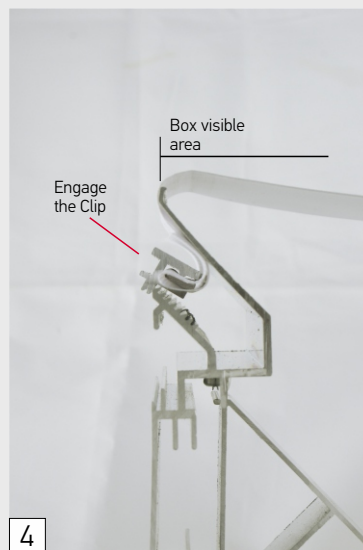
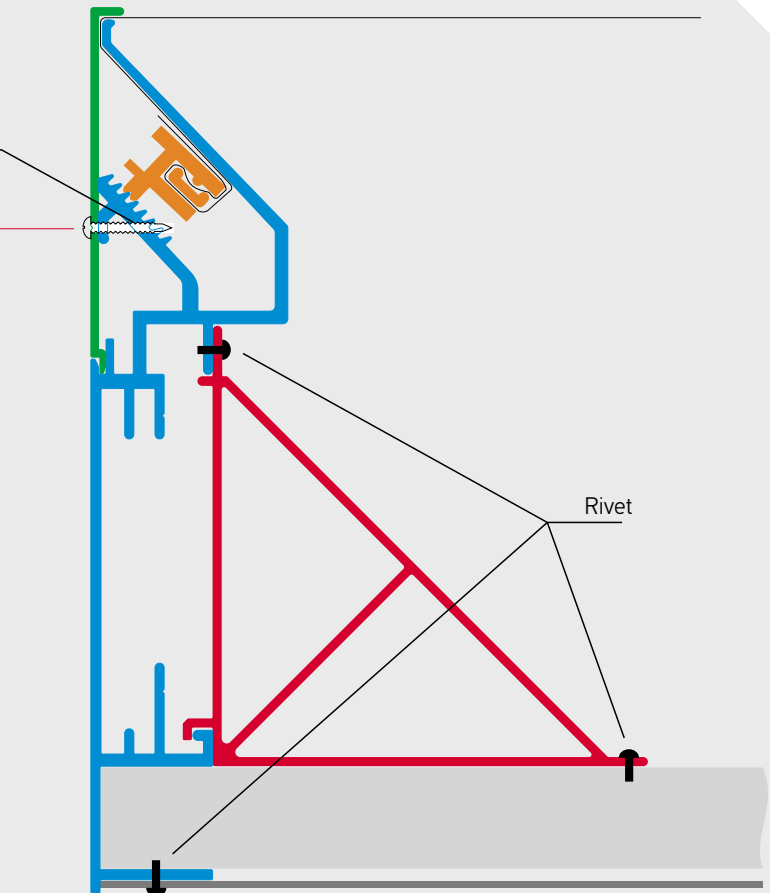
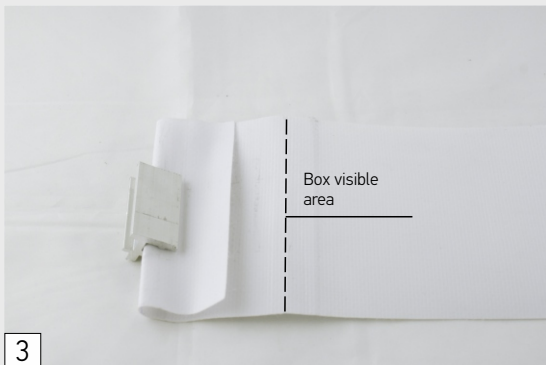
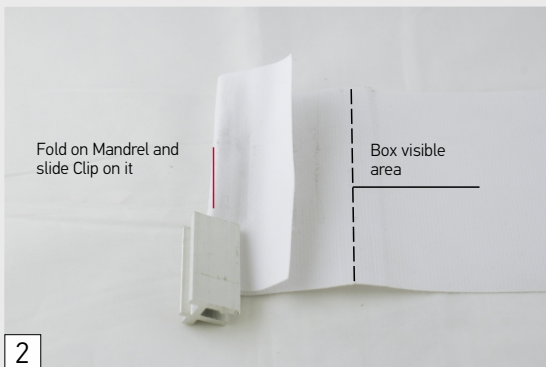
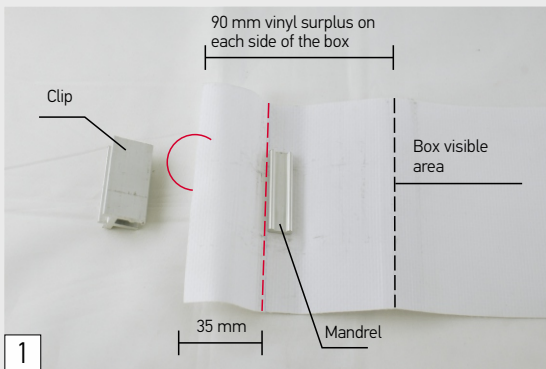
## TECHNICAL HINTS

Fix Cover to SignFlex body with a screw

Screw M3



### Tensioning of Vinyl



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## SYSTEM ELEMENTS

 <p>175mm</p>	SF1.011	SignFlex Body 175 mm
	SF1.033	Gusset
	SF1.022	SignFlex Cover
 <p>40mm</p>	SF3.Clip	Clip with Mandrel
 <p>20mm 40mm max. 4 i 6m</p>	SF2.022	Back Support 20x40x2
	SF2.011	Corner Angle

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