

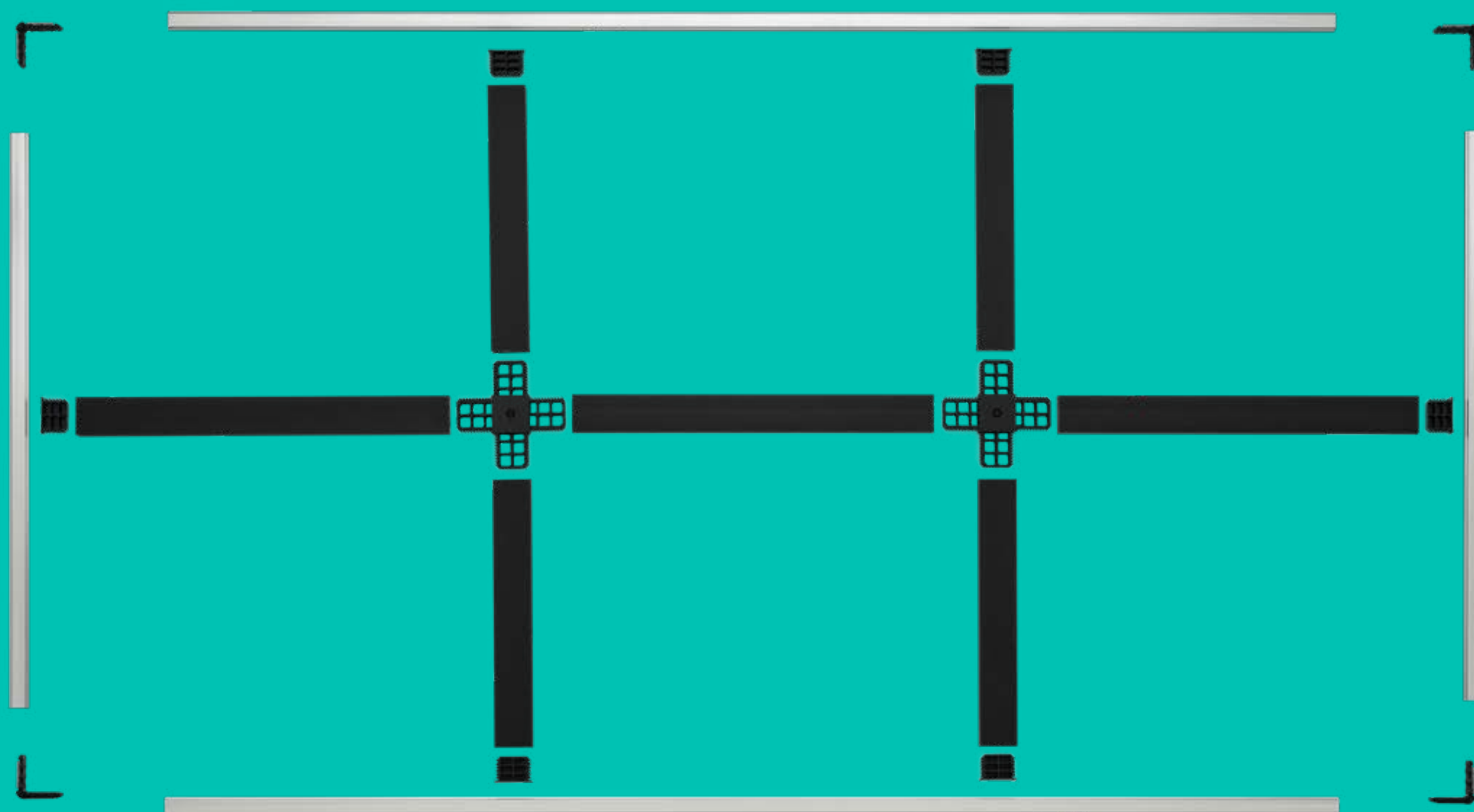
TECHNOFORM

**Tailor made
frames**

**Thermal edge bond solutions
for insulating glass**

Increase your production and optimize your stock management.

A fast-paced industry landscape demands new ideas and solutions every day. Markets emerge, businesses transform, processes change. In today's markets there are new challenges to face:



Faster production time for every type of projects (even the most complex ones), while ensuring the same high level of quality and thermal performances.

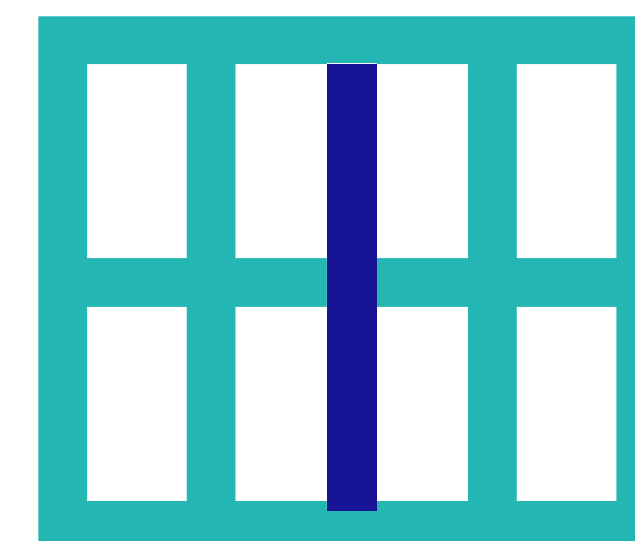
Optimize stock management and space availability, regardless of the diversity of your IGU inventory.

Tailor made by Technoform

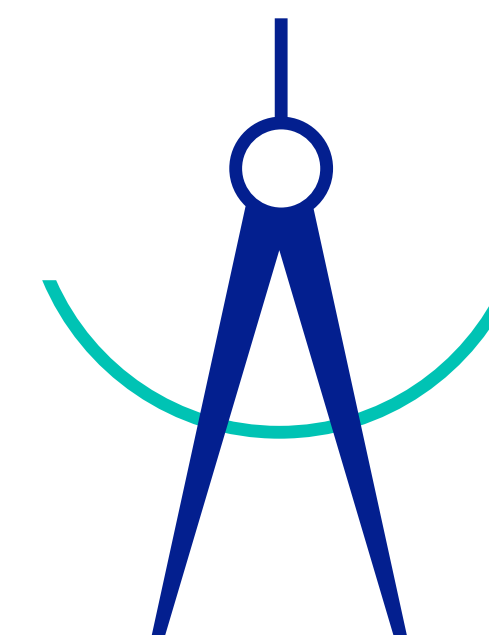
We have developed the perfect solution in order to satisfy your needs, offering a service of:



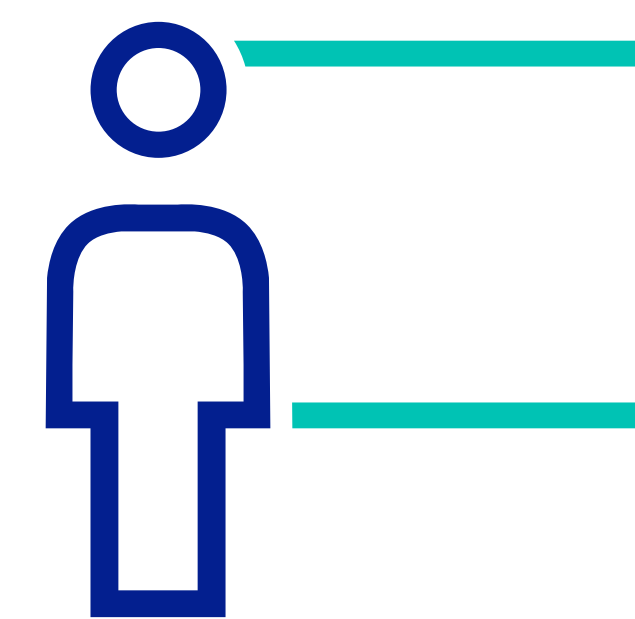
Pre-cut kits



Pre-assembled frames

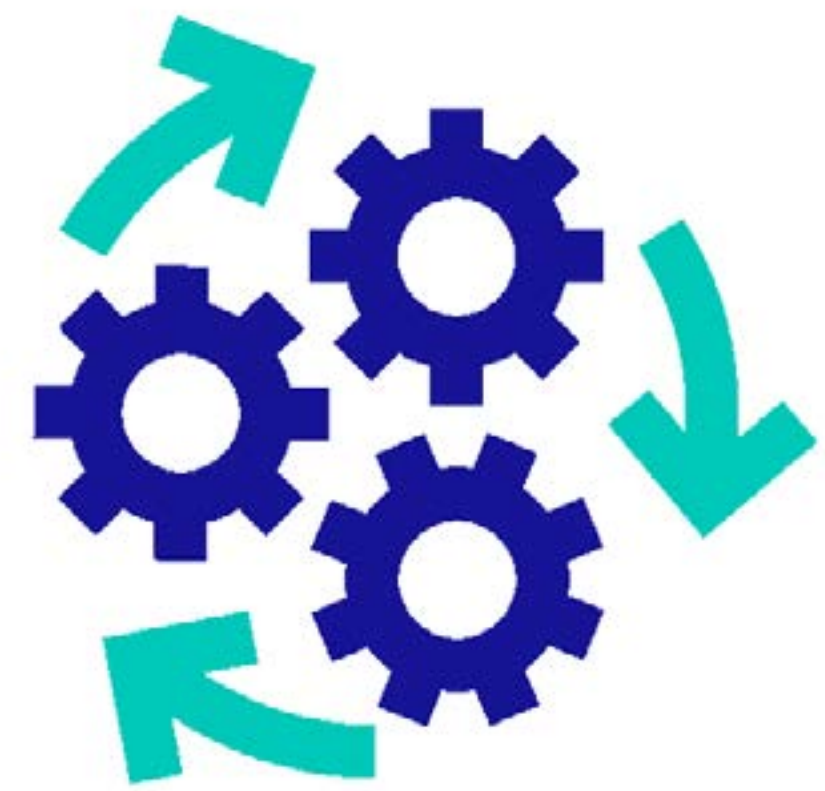


Precisely calculated dimensions



Your ad hoc frames

It's our belief in a strong partnership with our customers that makes the difference.



Speed up your production process.

Fast and easy service allows you to accelerate your IGU production process and improve the efficiency of your entire business.



Trust Technoform as partner by your side.

You can rely on Technoform to ensure the highest quality in the development of your projects, even the most complex ones, and support you in the production process.



Optimize your stock management.

The risk of slow moving inventory and space availability are critical factors in warehouse management. Technoform's tailor made solution offers customized frames to help mitigate risk, avoid unused stock material and reduce operational costs.

Your challenges - Our solutions

Thanks to our experience we are able to provide top quality pre-cut kits and pre-assembled frames:

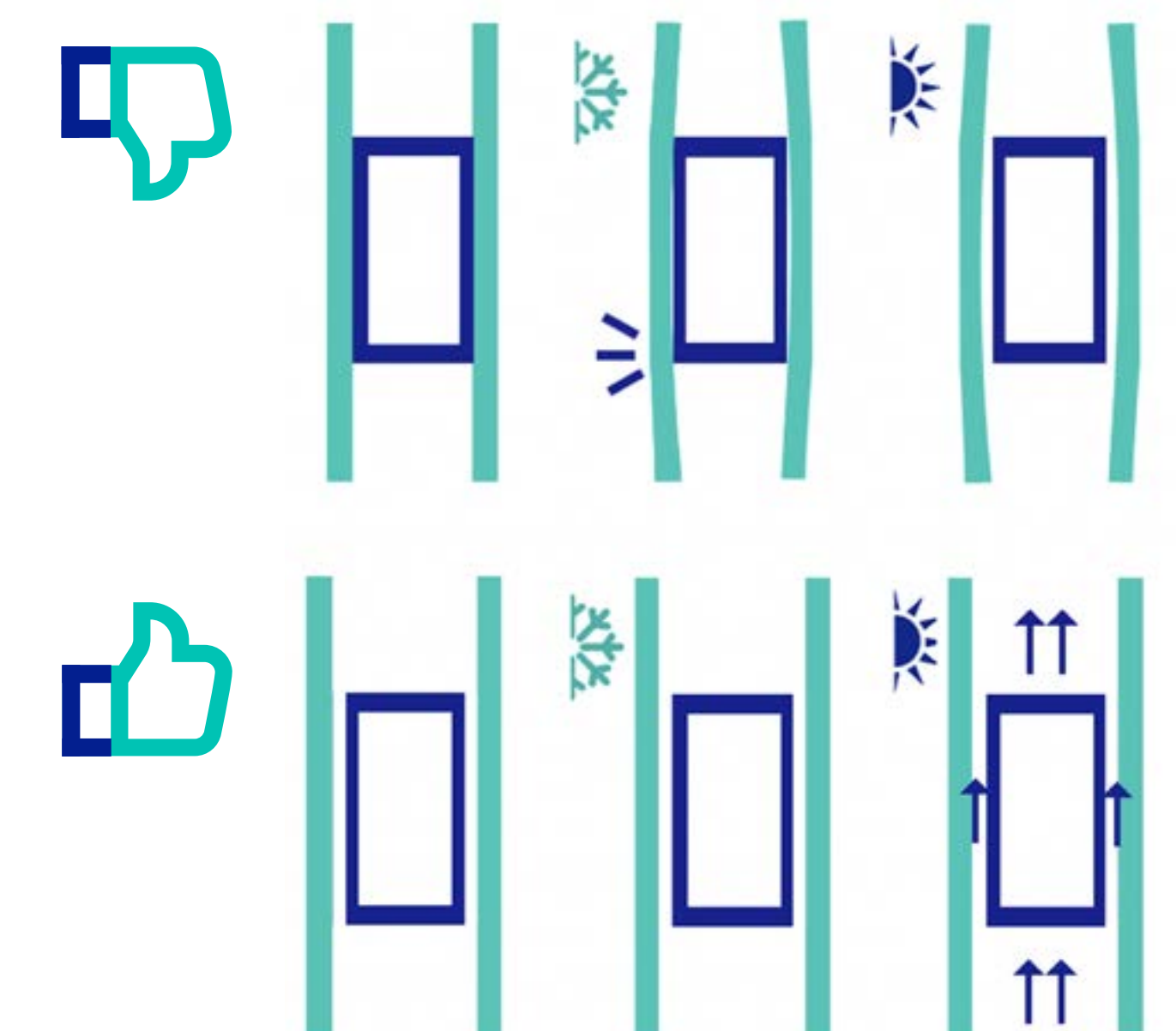
- Dimension and positioning tolerance +/- 1 mm
- Realization of rectangular or linear shapes (with an internal muntin bar)
- High quality components and accessories

Muntin bar




The muntin bar system is aesthetically identical to our spacers, giving insulating glazing manufacturers a complete thermally optimized system that meets current thermal insulation requirements and will also meet the tighter requirements of tomorrow. Our muntin bar system can be positioned in the cavity of the IGU. To achieve the best performance it has to be approximately 2 mm smaller than the size of the used spacer as it is suggested by the EN ISO 10077:1. The distance between muntin and the glass will avoid the concentrated stress on the IGUs: in this way gases will freely circulate in the IGU, without affecting the tightness and insuring a high thermal performance.

We recommend using the following combinations of muntin and spacer as indicated in the table below according to the volume of gas contained in the insulating glass unit and the size of the cavity.

Spacer	Suggested Muntin
12 mm	9.5 mm
14 mm	9.5 mm
15 mm	11.5 mm
16 mm	11.5 mm
18 mm	11.5 mm
20 mm	13.5 mm



Colors

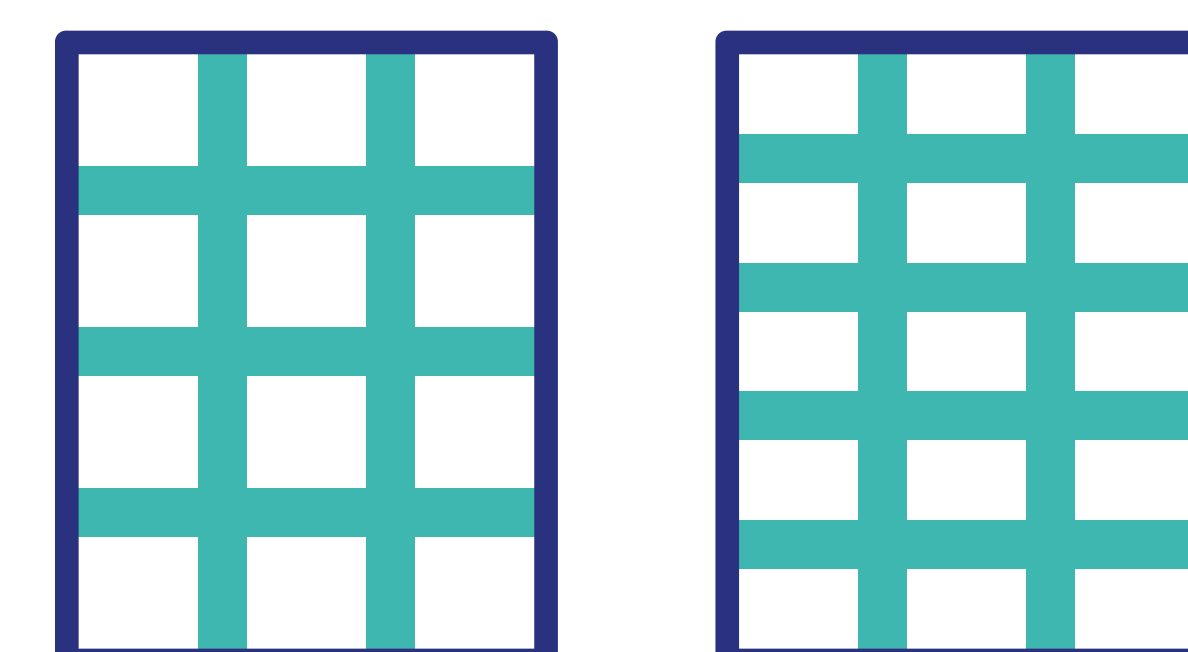
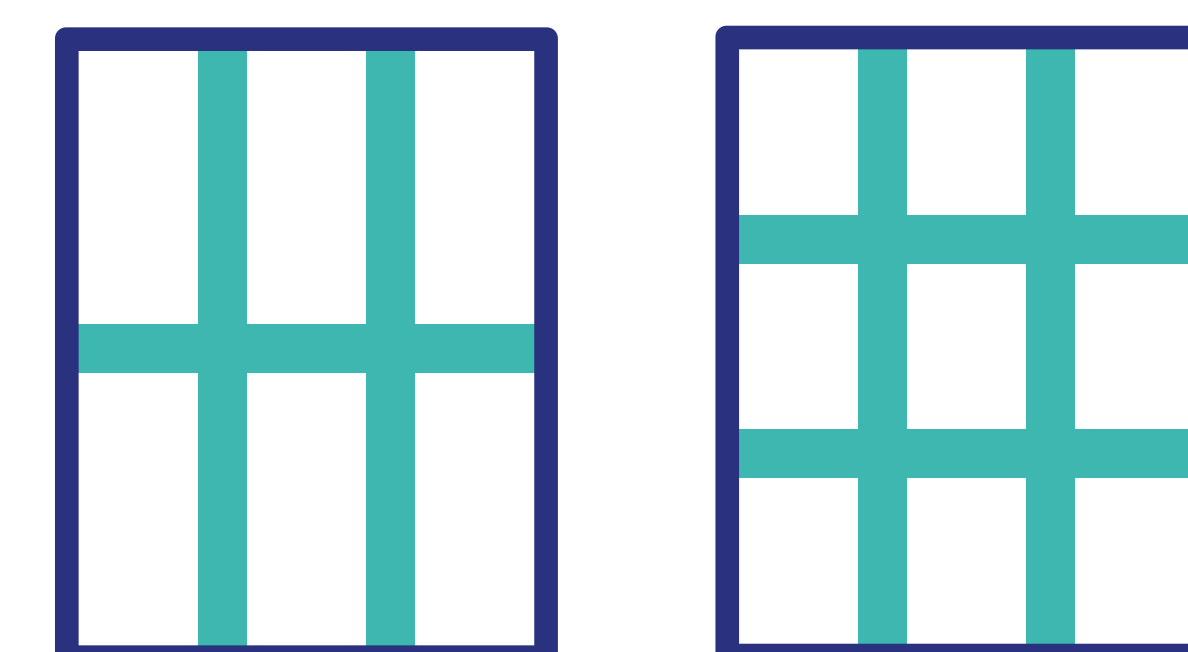
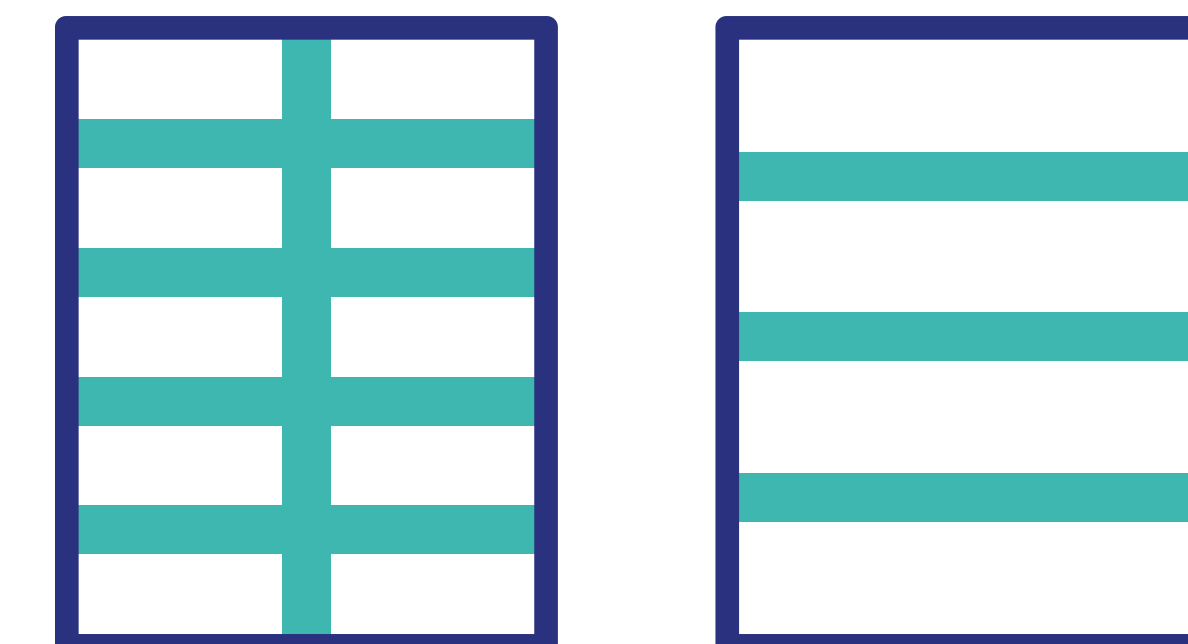
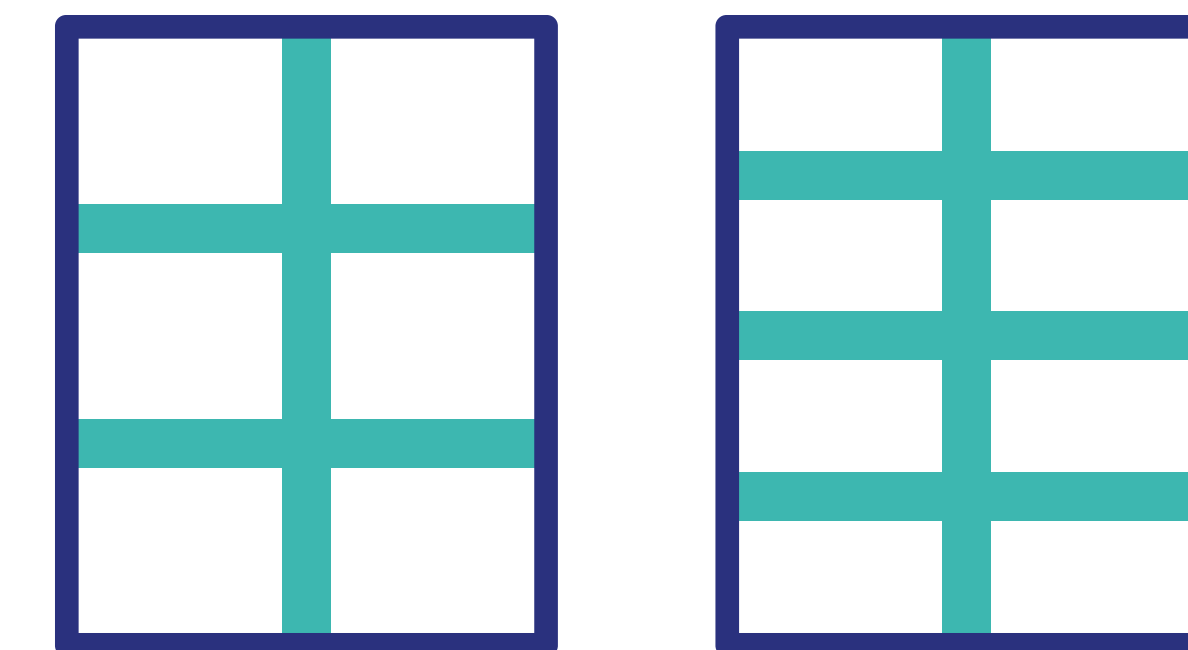
Colors	Code	
Black	similar to RAL 9005	
White	similar to RAL 9016	
Light grey	similar to RAL 7035	
Dark grey	similar to RAL 7040	

Sizes

Muntin	Heights [mm]	Widths [mm]
9.5 x 21.5 mm	9.5 ± 0.15	21.5 ± 0.15
9.5 x 25.5 mm	9.5 ± 0.15	25.5 ± 0.15
9.5 x 31.5 mm	9.5 ± 0.15	31.5 ± 0.15
11.5 x 21.5 mm	11.5 ± 0.15	21.5 ± 0.15
11.5 x 25.5 mm	11.5 ± 0.15	25.5 ± 0.15
11.5 x 31.5 mm	11.5 ± 0.15	31.5 ± 0.15
13.5 x 21.5 mm	13.5 ± 0.15	21.5 ± 0.15
13.5 x 31.5 mm	13.5 ± 0.15	31.5 ± 0.15

Your frames

Customize your frame types - just provide us your needed frame type, and your needed dimensions of the frame, and you will get your quotation and delivery in 24 hours.



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