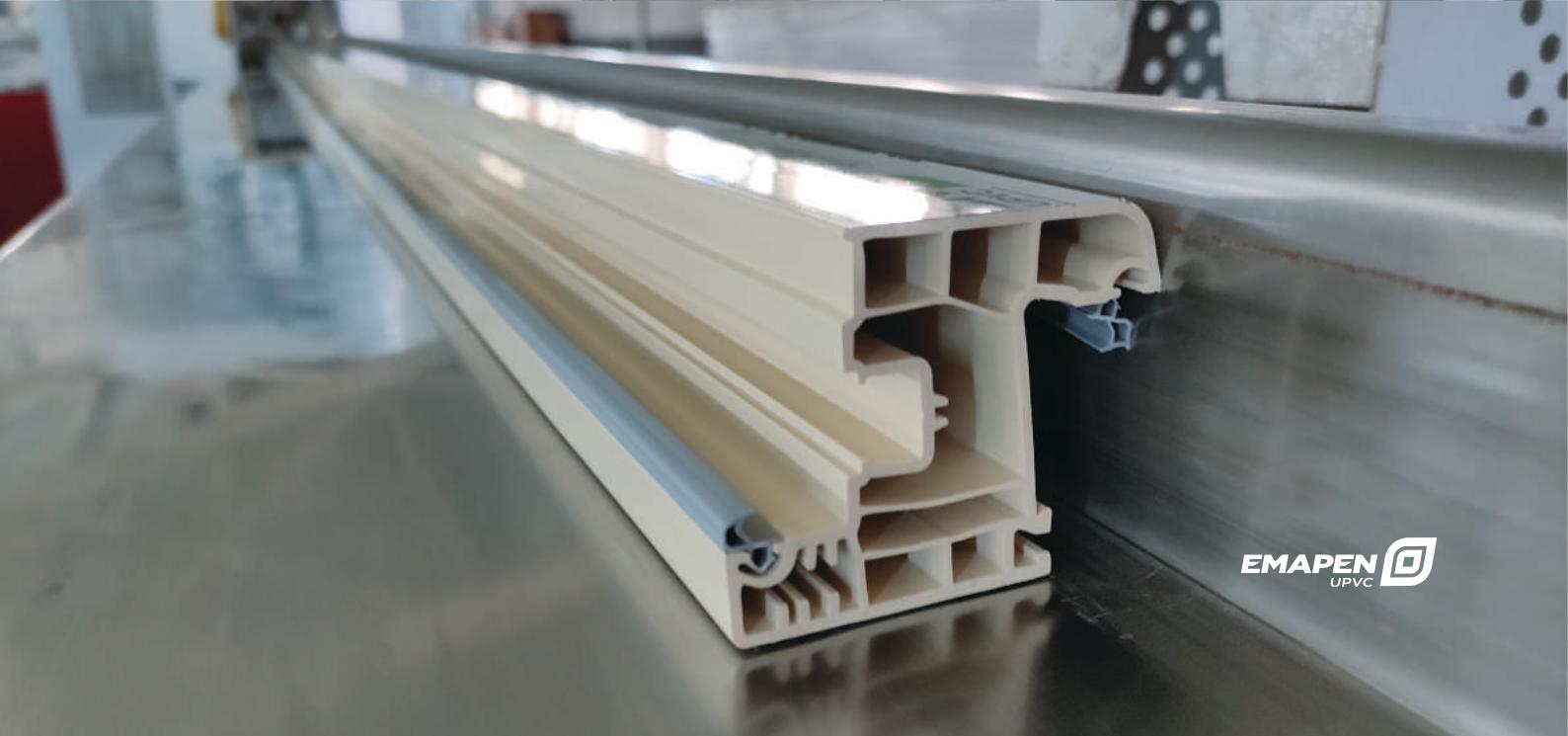
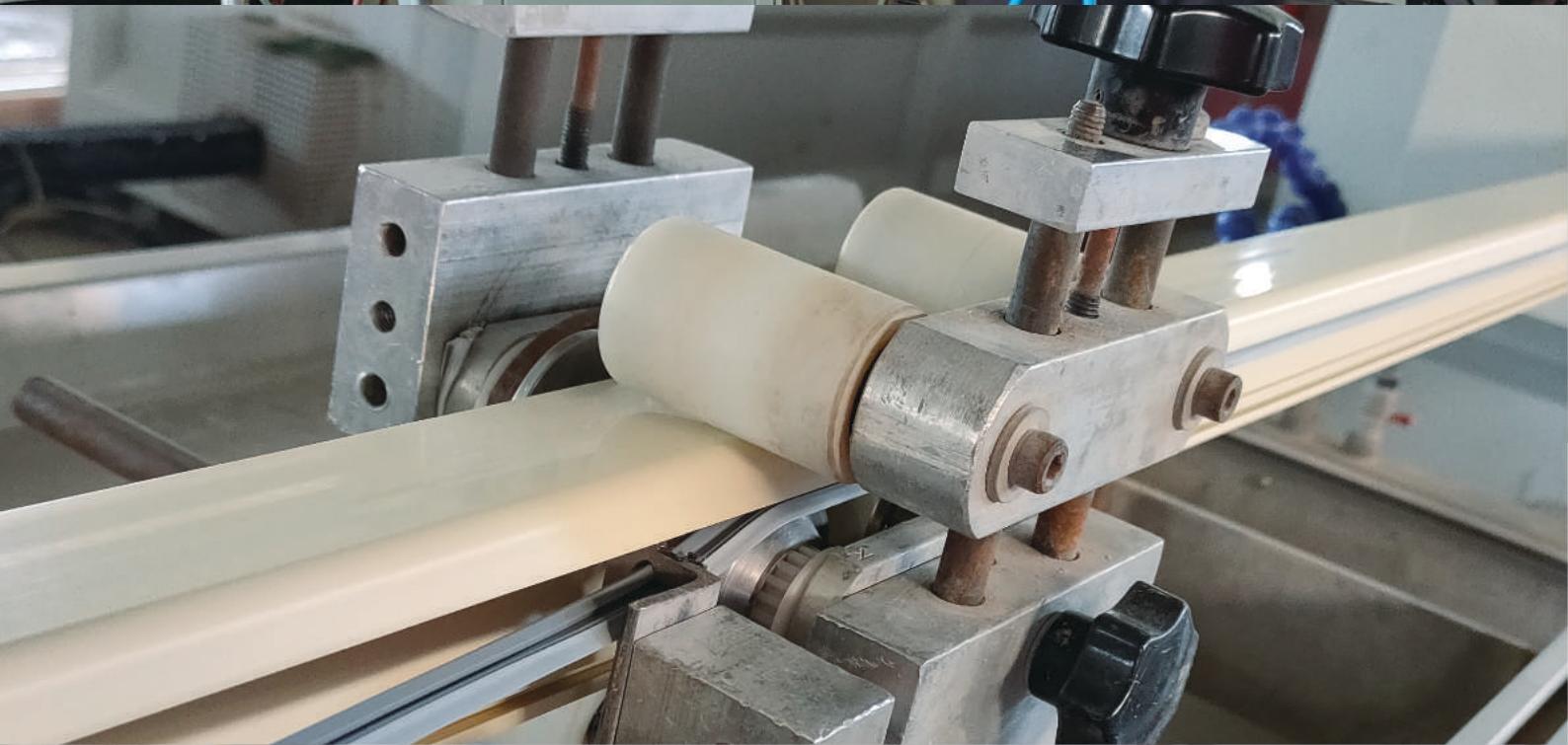




# PRODUCT CATALOG

[www.emapen.net](http://www.emapen.net)



**EMAPEN**  UPVC



CONTENT

- 1 About EMAPEN**
- 2 Why choose uPVC?**
- 3 Product portfolio**
- 4 Material selection**
- 5 Welding allowance**
- 6 Projects completed**

- The company's history, mission and vision
- What makes uPVC your material of choice for doors and windows
- EMAPEN's innovative solutions for window and door systems
- World class companies we source our raw material from to ensure high quality profiles
- Dimensions and allowances needed for accurate welding of uPVC sections
- A list of clients that trusted and specified our profiles for their projects

## About Emapen

Since its establishment in 2015, EMAPEN has consistently demonstrated the reliability of its profiles across a multitude of projects, thereby solidifying its standing as one of the leading manufacturers of UPVC in Egypt.

EMAPEN boasts the **largest network of distributors** in the country, proving itself as the profile of choice for many construction projects. Additionally, the company features Egypt's **largest extrusion facility**, equipped with seven production lines and a capacity of 500 metric tons per month.

EMAPEN's profiles conform to the **ISO 9001:2015** standard, ensuring consistent manufacturing processes and product performance.

**Our mission** is to provide uPVC profiles of high quality and durability that satisfy international standards and meets customer demands through advanced machinery and necessary equipment managed by qualified professionals.

**Our vision** is to become the most reliable and trusted supplier of uPVC profiles in both domestic and export markets.





## Energy efficiency

With a thermal conductivity significantly lower than aluminum, upvc possesses superior thermal insulation properties. This thermal insulation reduces heat loss during winter and minimizes heat gain during summer, reducing the reliance on artificial heating and cooling systems and making it the material of choice for saving energy and lowering utility bills.



## Sound insulation

Due to its inherent properties and construction, upvc frames stand out with unmatched sound insulation features. The relatively high density of upvc reduces the transmission of sound waves through the material. Moreover, the chambered system and the gasket further enhance the profile's sound insulation properties.



## Dust proof

The material's smooth surface finish reduces the adhesion of dust particles on the surface, not to mention effective sealing mechanisms such as rubber gaskets that greatly enhance the frame's dust resistance.



## Durability

Unlike aluminum, upvc is classified as non-reactive material and does not suffer from rust or corrosion over time. This offers upvc with superior durability and weather resistance, which maintains its structural integrity and aesthetic appearance over time and eliminates the need for repainting or protective coating.



## Welded joints

uPVC windows and doors are assembled by welding, which provides superior insulation and strength compared to mechanical fasteners, in addition to the reduction of maintenance since bolts or screws may loosen or corrode.

# EMA-STYLE

## PREMIUM SLIDING WINDOW AND DOOR SYSTEM

EMAPEN's new and refined sliding system, introducing a **sliding door sash** of exceptional quality and a **60mm built-in bar**.

The system also boasts the **highest profile thickness** in the suite, giving you the highest durability and insulation.

### Technical specifications

- 1 47mm sash profile width
- 2 110mm frame profile width
- 3 2.6mm profile thickness
- 5 4-6mm single glazing option
- 6 24mm double glazing option
- 7 Uf value of 1.1 W/m<sup>2</sup>K
- 8 2 chambered system enhancing profile durability and insulation.
- 9 One type of steel reinforcement and gasket reducing storage costs.
- 10 TPE gasket available in black, white and gray.



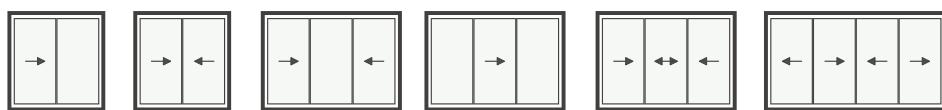
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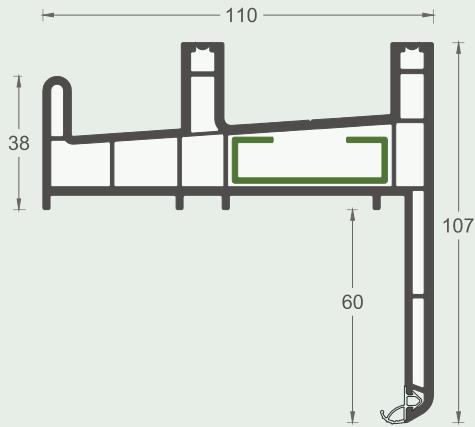


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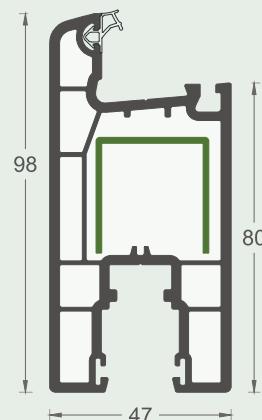


### Design options

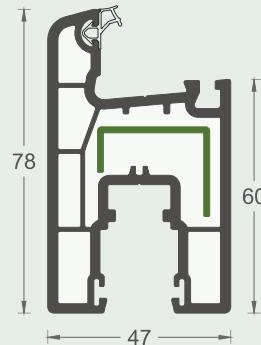




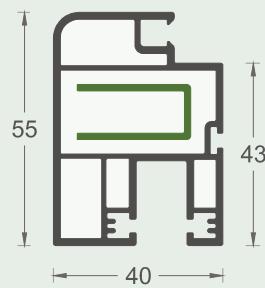
**EMA1228**  
Fixed sliding frame profile  
6 pieces/ package



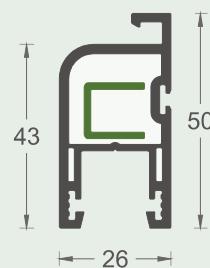
**EMA1221**  
Sliding frame profile  
6 pieces/ package



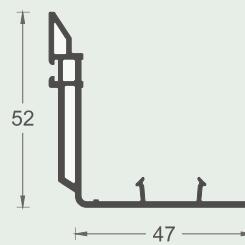
**EMA1220**  
Sliding window sash profile  
6 pieces/ package



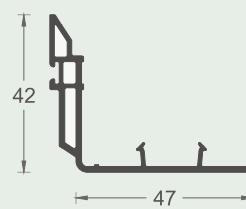
**EMA1223**  
Mosquito sash profile  
15 pieces/ package



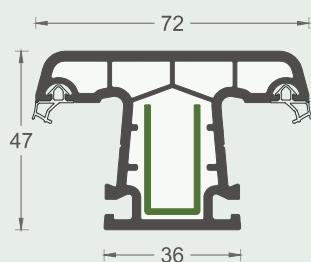
**EMA4285**  
Mosquito sash profile  
15 pieces/ package



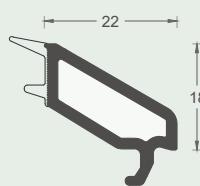
**EMA1224**  
Door interlock profile  
10 pieces/ package



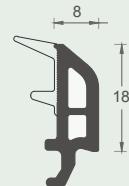
**EMA1225**  
Window interlock profile  
10 pieces/ package



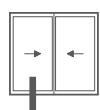
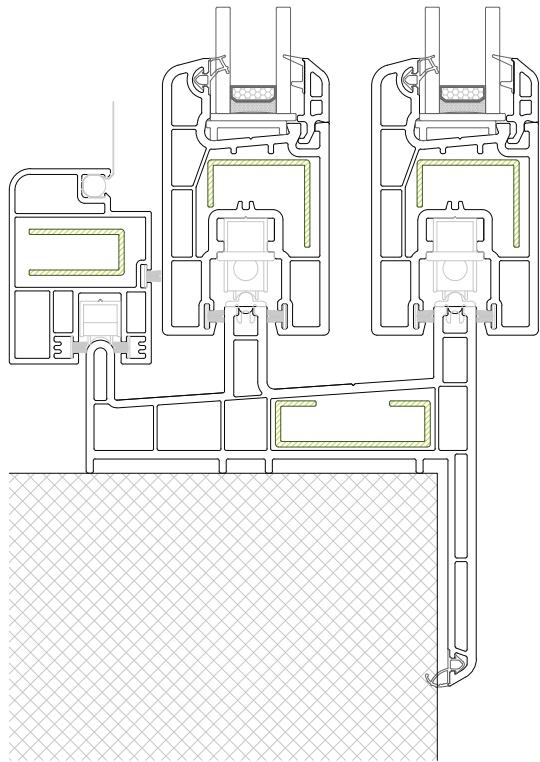
**EMA1222**  
Mullion profile  
6 pieces/ package



**EMA1227**  
Single glazing bead  
20 pieces/ package

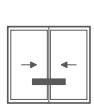
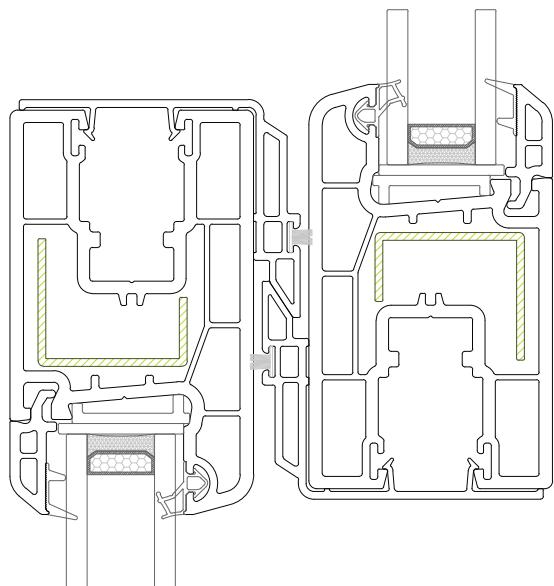


**EMA1226**  
Double glazing bead  
25 pieces/ package



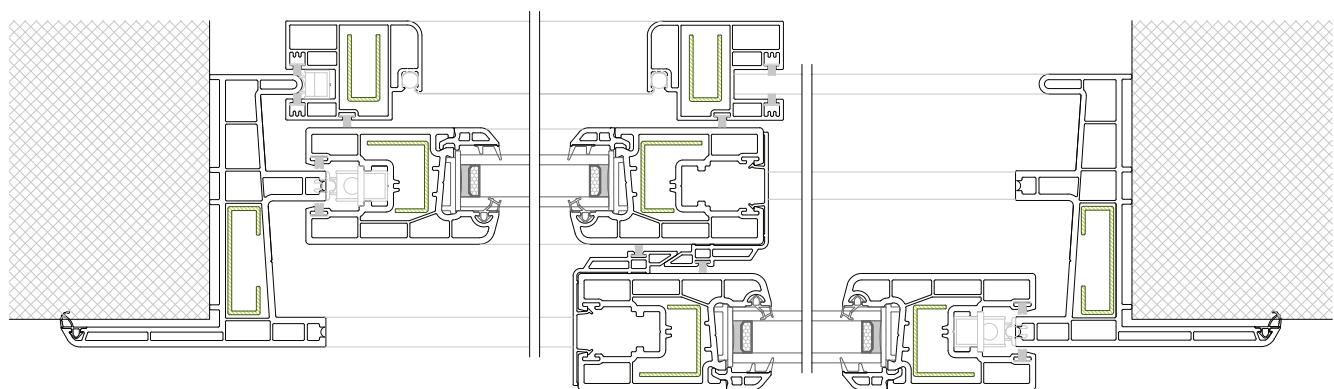
### Section A

Vertical section of window sash and frame connection



### Section B

Horizontal section of window sash interlock



### Section C

Horizontal section of complete window system

# EMA-60S

## STANDARD SLIDING WINDOW SYSTEM

The default option for your sliding windows, ideal when opting for **wide unobstructed views**.

Moreover, the horizontal movement of the sliding systems makes them more suitable for **limited interior spaces**.

### Technical specifications

- 1 60mm sash profile width
- 2 126mm frame profile width
- 3 2.3mm profile thickness
- 5 4-6mm single glazing option
- 6 24mm double glazing option
- 7 Uf value of 1.1 W/m<sup>2</sup>K
- 8 3 chambered system enhancing profile durability and insulation.
- 9 One type of steel reinforcement and gasket reducing storage costs.
- 10 TPE gasket available in black, white and gray.



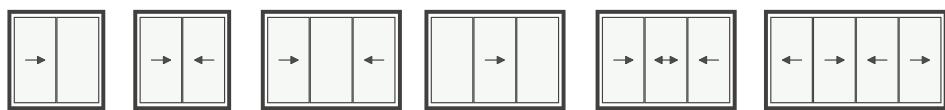
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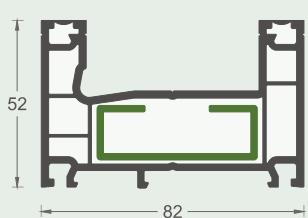


### Quality certificates

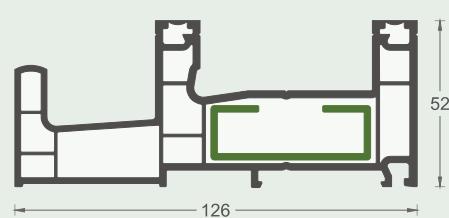


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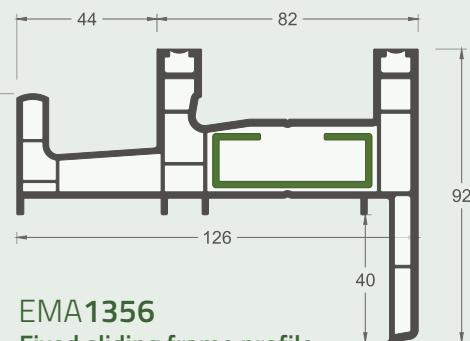




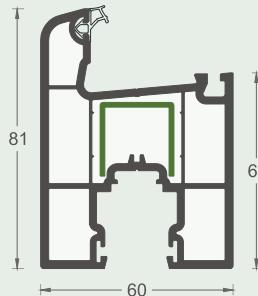
**EMA4280**  
**Sliding frame profile**  
4 pieces/ package



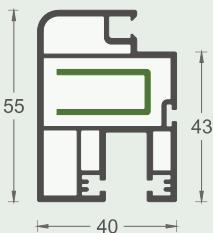
**EMA4281**  
**Fixed sliding frame profile**  
6 pieces/ package



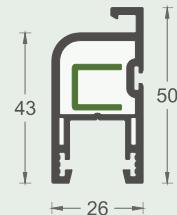
**EMA1356**  
**Fixed sliding frame profile**  
6 pieces/ package



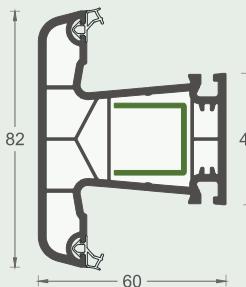
**EMA4283**  
**Sliding sash profile**  
6 pieces/ package



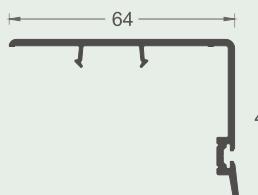
**EMA1223**  
**Mosquito sash profile**  
15 pieces/ package



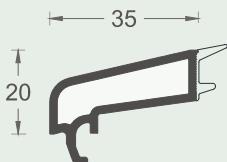
**EMA4285**  
**Mosquito sash profile**  
15 pieces/ package



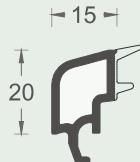
**EMA4275**  
**Mullion profile**  
6 pieces/ package



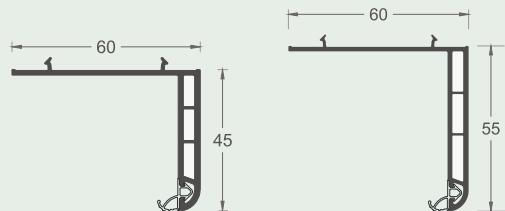
**EMA4284**  
**Interlock profile**  
10 pieces/ package



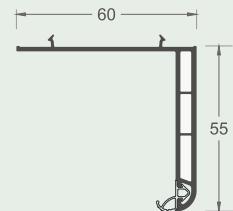
**EMA4279**  
**Single glazing bead**  
20 pieces/ package



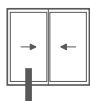
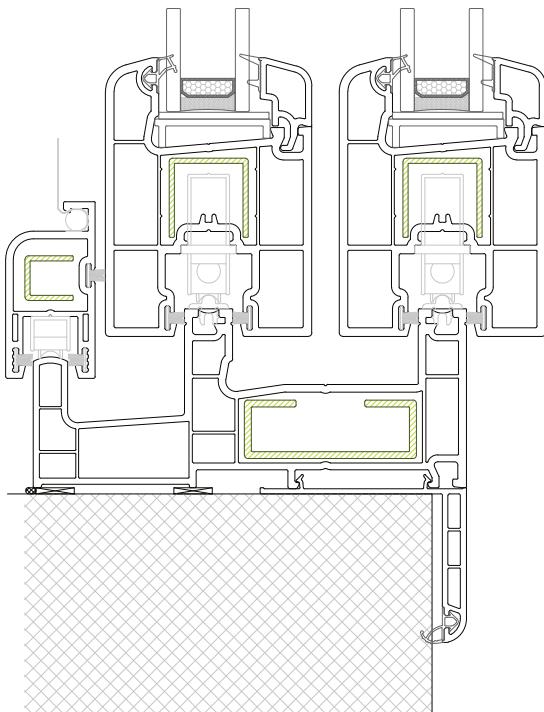
**EMA4278**  
**Double glazing bead**  
25 pieces/ package



**EMA4282**  
**Frame sill profile**  
10 pieces/ package

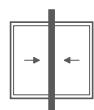
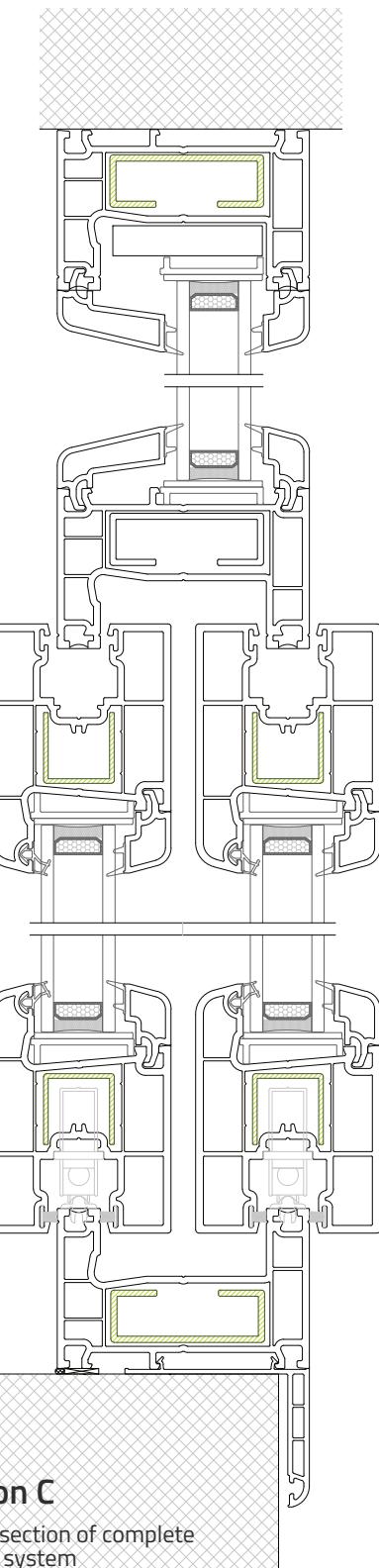


**EMA6710**  
**Frame sill profile**  
10 pieces/ package



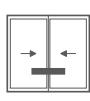
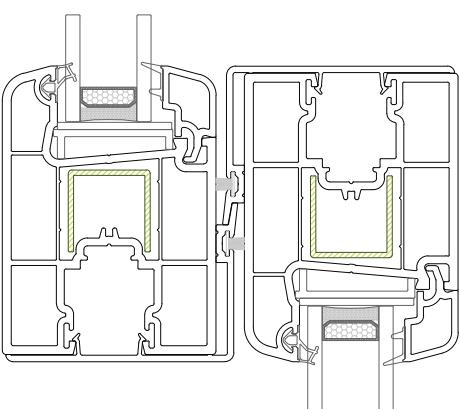
**Section A**

Vertical section of window sash and frame connection



**Section C**

Vertical section of complete window system



**Section B**

Horizontal section of window sash interlock

# EMA-42S

## ECONOMIC SLIDING WINDOW SYSTEM

The economic alternative to EMA60S, dedicated for **smaller sliding windows** and **smaller budgets** while still maintaining the exceptional quality you need for your windows.

### Technical specifications

- 1 42mm sash profile width
- 2 90mm frame profile width
- 3 2.3mm profile thickness
- 5 4-6mm single glazing option
- 6 Uf value of 1.1 W/m<sup>2</sup>K
- 7 2 chambered system enhancing profile durability and insulation.
- 8 One type of steel reinforcement and gasket reducing storage costs.
- 9 TPE gasket available in black, white and gray.

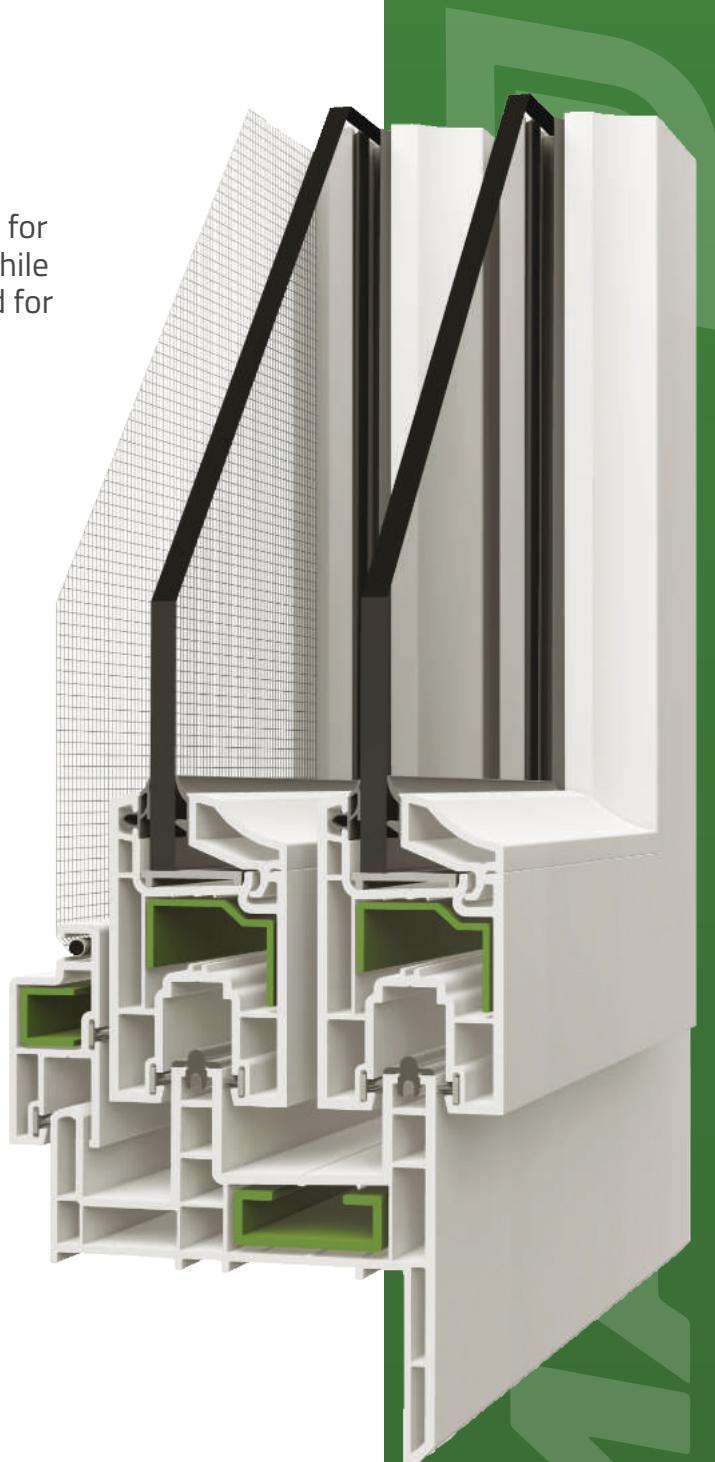
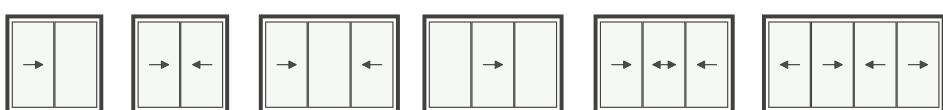
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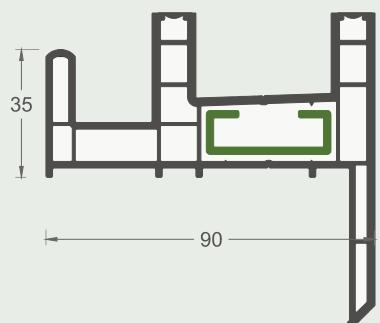


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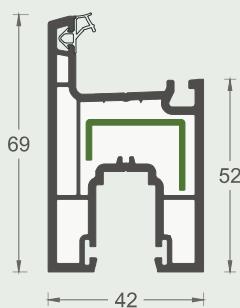


### Design options

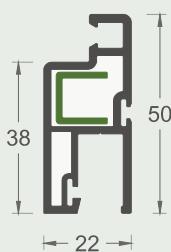




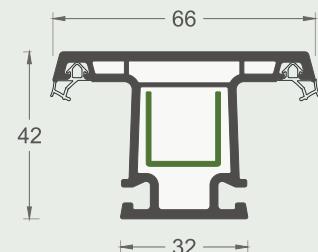
**EMA5012**  
**Sliding frame profile**  
4 pieces/ package



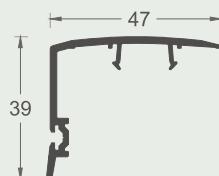
**EMA5013**  
**Window sash profile**  
6 pieces/ package



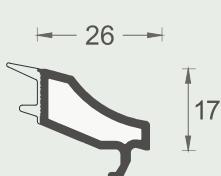
**EMA5015**  
**Mosquito sash profile**  
15 pieces/ package



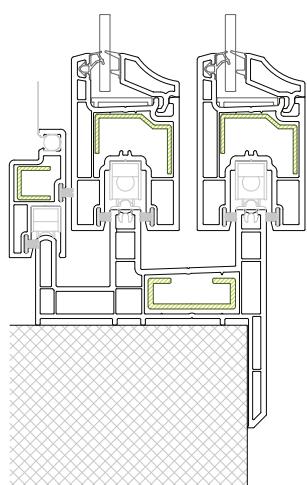
**EMA5017**  
**Mullion profile**  
6 pieces/ package



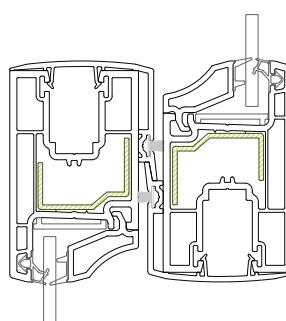
**EMA5014**  
**Interlock profile**  
10 pieces/ package



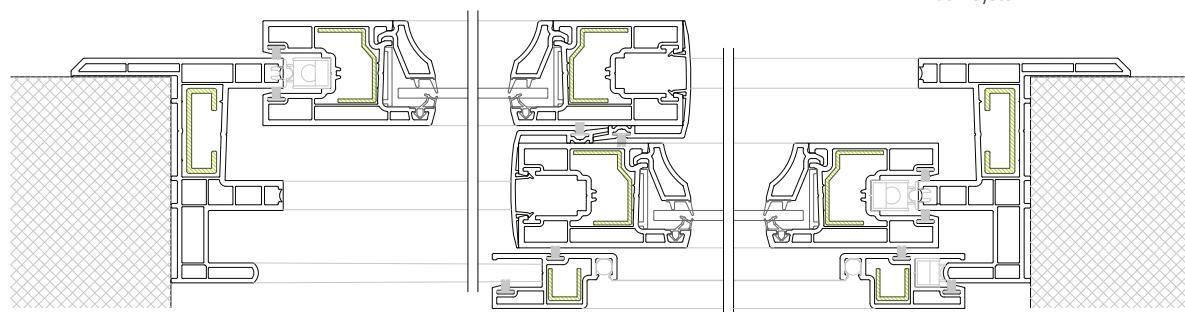
**EMA5016**  
**Single glazing bead**  
25 pieces/ package



**Section A**  
Vertical section of window sash and frame connection



**Section B**  
Horizontal section of window sash interlock



# EMA-60

## THE DEFINITIVE CASEMENT WINDOW AND DOOR SYSTEM

Your profile of choice for ensuring **maximum ventilation** through windows. Moreover, the casement's tight seal provides it with a **superior sound insulation** compared to its counterparts.

### Technical specifications

- 1 60mm sash profile width
- 2 60mm frame profile width
- 3 2.5mm profile thickness
- 5 4-6mm single glazing option
- 6 24mm double glazing option
- 7 Uf value of 1.1 W/m<sup>2</sup>K
- 8 4 chambered system enhancing profile durability and insulation.
- 9 One type of steel reinforcement and gasket reducing storage costs.
- 10 TPE gasket available in black, white and gray.

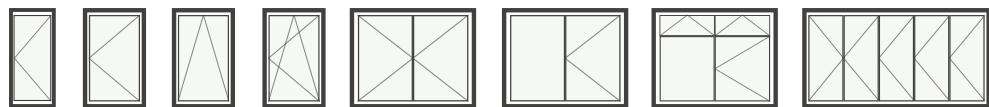
### Available colours

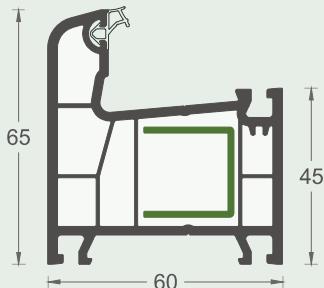


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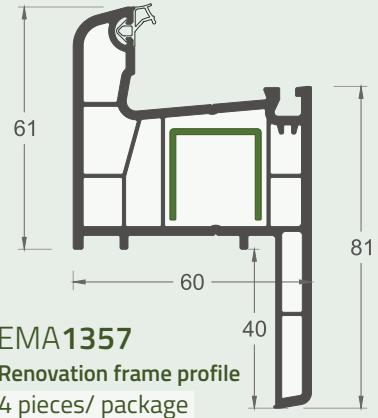


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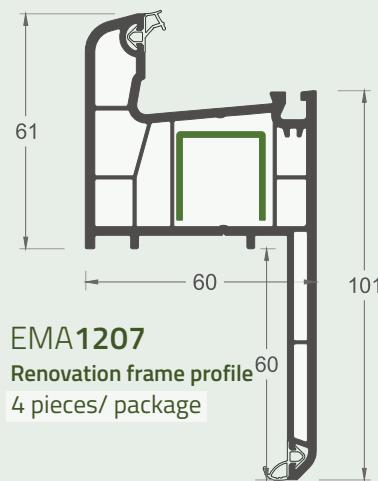




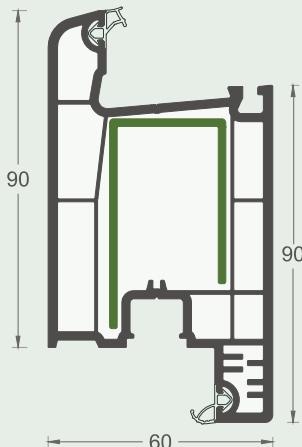
**EMA4273**  
**Frame profile**  
6 pieces/ package



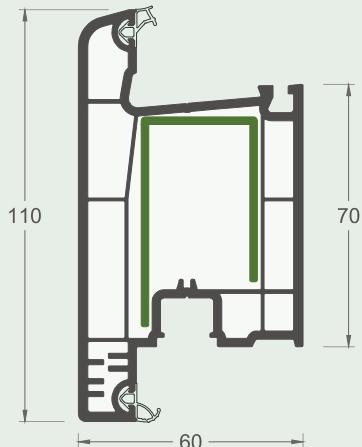
**EMA1357**  
**Renovation frame profile**  
4 pieces/ package



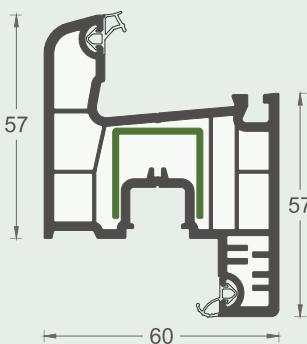
**EMA1207**  
**Renovation frame profile**  
4 pieces/ package



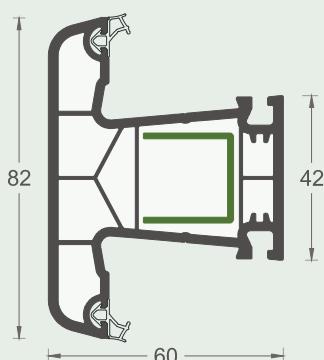
**EMA4276**  
**Inward door profile**  
4 pieces/ package



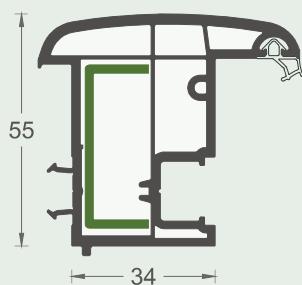
**EMA1208**  
**Outward door profile**  
4 pieces/ package



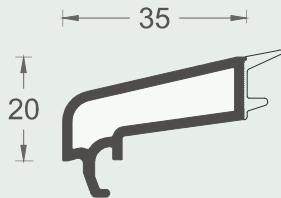
**EMA4274**  
**Window sash profile**  
6 pieces/ package



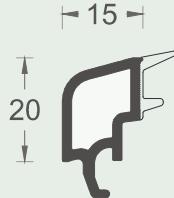
**EMA4275**  
**Mullion profile**  
6 pieces/ package



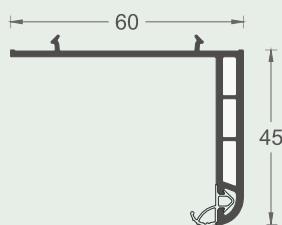
**EMA4277**  
**Movable mullion profile**  
6 pieces/ package



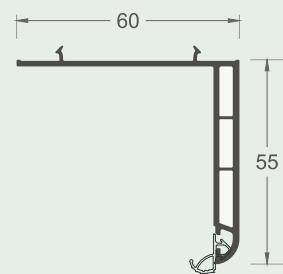
**EMA4279**  
Single glazing bead  
20 pieces/ package



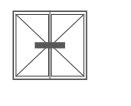
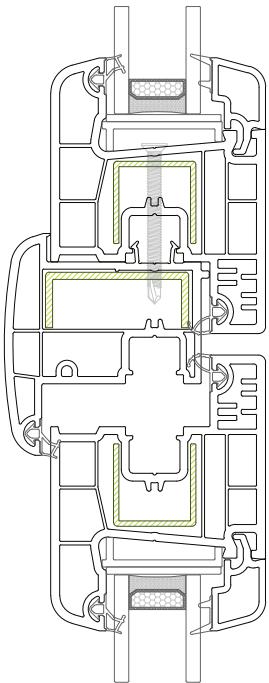
**EMA4278**  
Double glazing bead  
25 pieces/ package



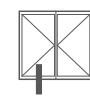
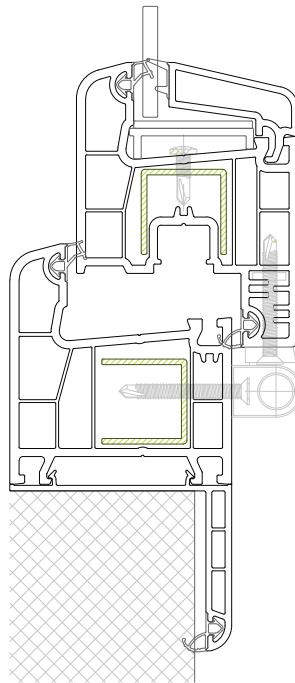
**EMA4282**  
Frame sill profile  
10 pieces/ package



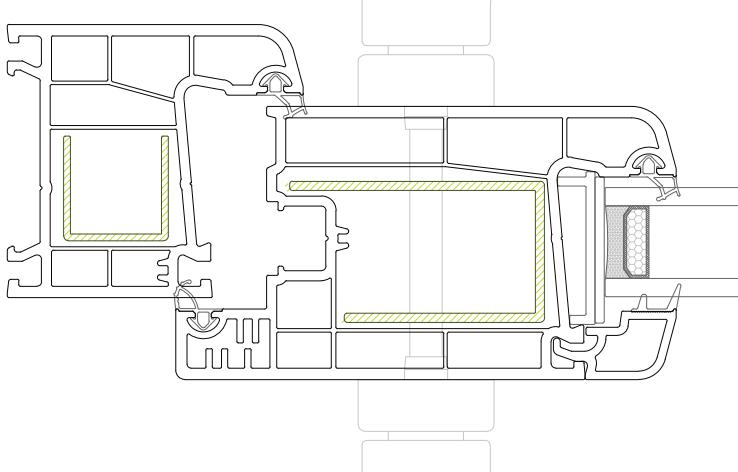
**EMA6710**  
Frame sill profile  
10 pieces/ package



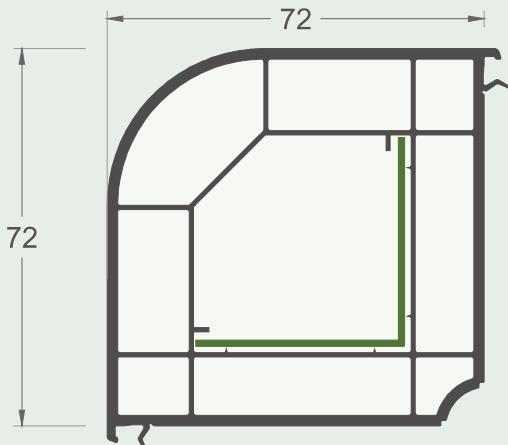
**Section A**  
Vertical section of door sash  
and mullion connection



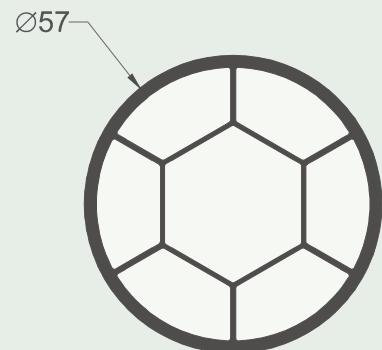
**Section B**  
Vertical section of door sash  
and frame connection



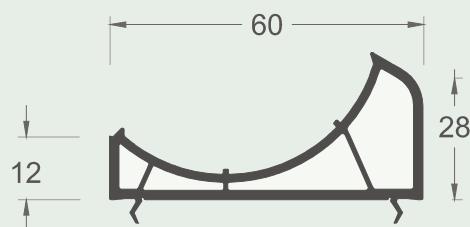
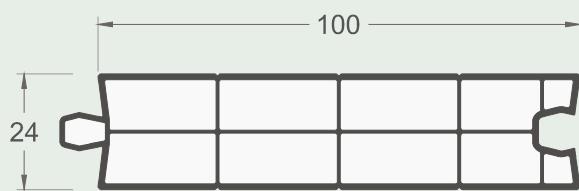
**Section C**  
Horizontal section of door sash and  
frame connection



**EMA1358**  
**Box profile**  
4 pieces/ package

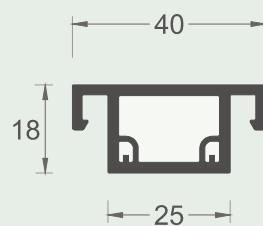
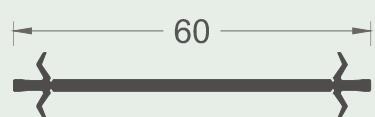


**EMA1360**  
**Corner turning pipe**  
6 pieces/ package



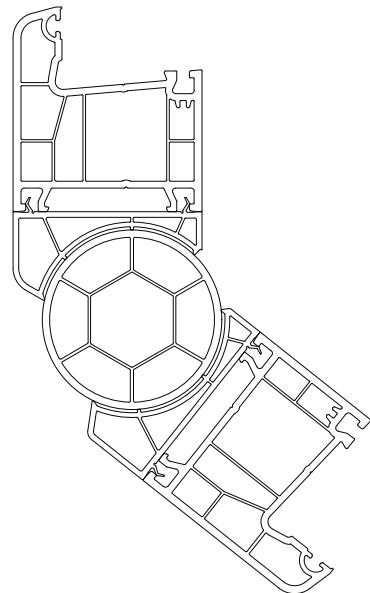
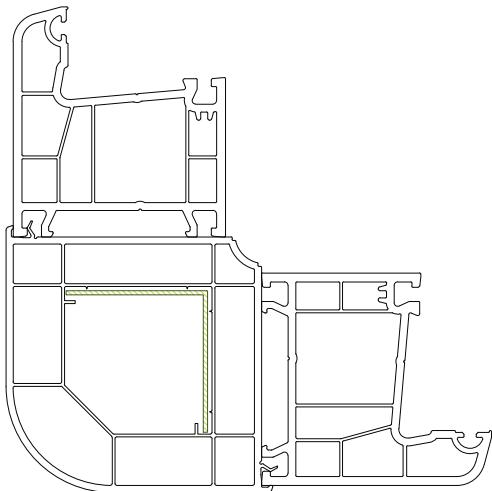
**EMA1359**  
**Panel profile**  
10 pieces/ package

**EMA1361**  
**Corner profile**  
10 pieces/ package



**EMA1362**  
**Coupling profile**  
10 pieces/ package

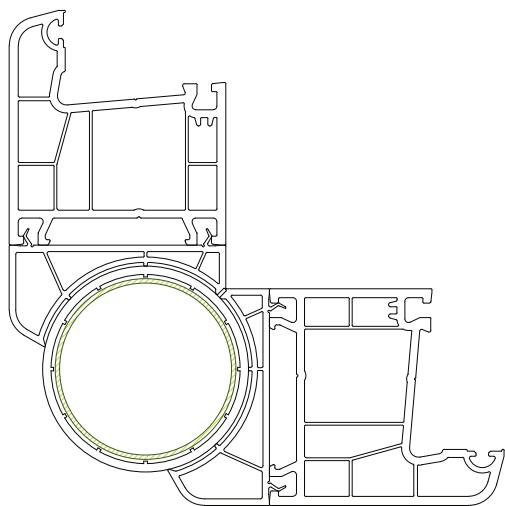
**EMA1363**  
**Rising profile**  
15 pieces/ package



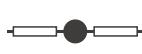
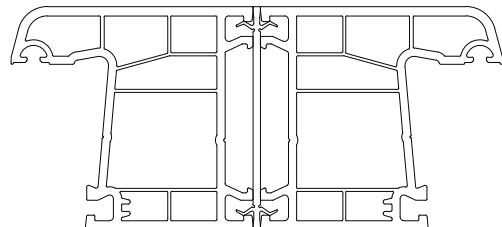
**Section A**  
Box profile connection detail



**Section B**  
Corner profile connection detail



**Section C**  
Corner profile connection detail



**Section D**  
Coupling profiling connection detail

# Material selection



At EMAPEN, we recognize the crucial role that raw materials play in determining the quality and performance of our products. Understanding this, we are committed to sourcing our materials from world class and European suppliers who meet the highest standards of quality. By carefully selecting these top-tier companies, we ensure that every component we use contributes to the superior quality of our profiles.

Below are international world class companies we source our raw materials from to bring you world class profiles.



BÆRLOCHER



Formosa Plastics<sup>®</sup>



Akdeniz Chemson  
Beyond Additives



INEOS  
Inovyn

KONICA MINOLTA

# Welding allowance

The welding allowance plays a active role in achieving accurate assembly and structural integrity in the fabrication process. Additionally, it ensures adherence to project specifications and optimum usage of material.

**The following table specifies the dimensions and allowances needed to weld uPVC sections accurately.**

System	Profile	Width (cm)	Height (cm)	Remarks
EMA-60	Frame profile	+ 8.5	+ 8.5	None
	Window sash profile	- 6	- 6	
	Door sash profile	- 6	- 6	
	Frame profile with 45cm frame sill	+ 9	+ 9	
	Frame profile with 55cm frame sill	+ 11	+ 11	
	Window/Door frame profile with frame sill	- 7.3	- 7.3	
EMA-60S	Frame profile	+ 7	+ 7	None
	Window sash profile	+ 9	+ 9	None
	Door sash profile	+ 11	+ 11	None
	Frame profile with 45cm frame sill	+ 1	+ 8.5	Add 1cm to width and divide by 2
	Frame profile with 55cm frame sill	+ 9	0	Add 9cm to and divide by 4
	Window/Door frame profile with frame sill	+ 1	- 5.2	Add 1cm to width and divide by 2
EMA-42S	Frame profile	+ 8.5	+ 8.5	None
	Window sash profile	+ 1	- 6.8	Add 1cm to width and divide by 2
	Mosquito sash profile	+ 1	- 4.3	
EMA-STYLE	Frame profile	+ 7	+ 7	None
	Window sash profile	+ 9	+ 9	None
	Door sash profile	+ 11	+ 11	None
	Frame profile with 45cm frame sill	+ 1	+ 8.5	Add 1cm to width and divide by 2
	Frame profile with 55cm frame sill	+ 9	0	Add 9cm to and divide by 4
	Window/Door frame profile with frame sill	+ 1	- 5.2	Add 1cm to width and divide by 2

## Projects completed



Renowned for their exceptional performance, EMAPEN's profiles have garnered the trust of numerous clients, firmly establishing our reputation as a preferred choice for window and door applications in a diverse set of construction projects. EMAPEN is also known for its high production capacity, consistently meeting the high demands of many construction projects.

The following is some of the large-scale projects that have specified our profiles.



Photo taken at Zayed Dunes Compound



# Our profiles ensure that your windows will endure

6th of October City Industrial Zone 1  
Land no.238 - Giza, Egypt

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