



- Facade LITE

Plug & Power Up! - As easy as it sounds

Mitrex eFacade LITE BIM
Catalog Manual

 MITREX™

mitrex.com

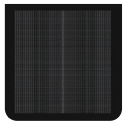
eFacade LITE Product Introduction

eFacade LITE by Mitrex is a pre-engineered solar facade system with advanced building-integrated photovoltaic technology (BIPV) created to accelerate solar adoption without compromising performance. A ventilated rainscreen system with a hidden extruded aluminum profile encasing a layer of high-efficiency solar cells and a glass facing, each panel is a powerhouse of energy.

Designed for projects seeking rapid deployment, lower costs, and simplified electrical integration, LITE panels feature a built-in PowerBar that enables plug-and-play wiring on site. With two panel sizes and five color options, eFacade LITE delivers energy performance in a system that's optimized for streamlined delivery and long-term durability. It's the ideal solution for retrofit projects, budget-conscious developments, or buildings that require simplicity and speed.

Module Colour Options

Mitrex eFacade LITE is available in five clean, neutral color tones to blend with any project. These curated options are designed to complement a wide range of architectural materials such as aluminum panels, GFRC, EIFS, and ACM. Whether your design calls for a bold contrast or understated elegance, LITE's palette offers the flexibility to enhance visual cohesion across facades.



Core Black

⚡ 18W/SQFT

⚡ 2.5 kW*



Blackout

⚡ 16W/SQFT

⚡ 2.2 kW*



Nobel Grey

⚡ 10W/SQFT

⚡ 1.3 kW*



Storm Grey

⚡ 13W/SQFT

⚡ 1.8 kW*

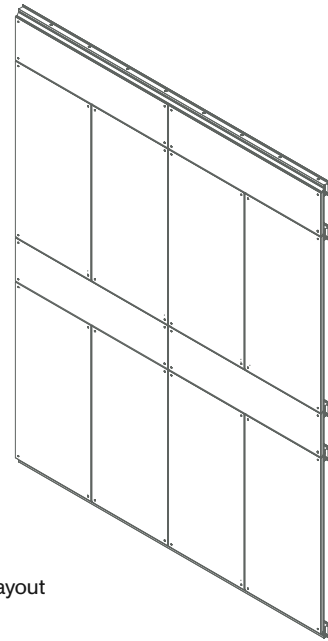
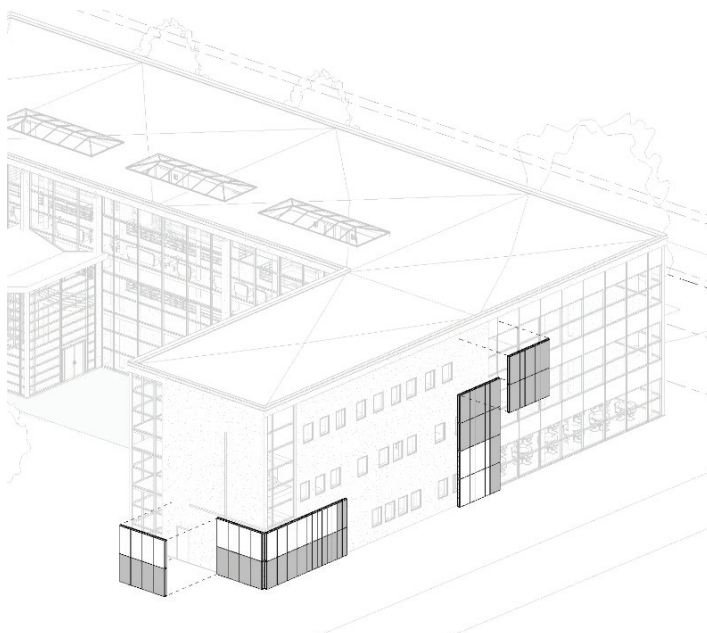


Cassia

⚡ 14W/SQFT

⚡ 2.0 kW*

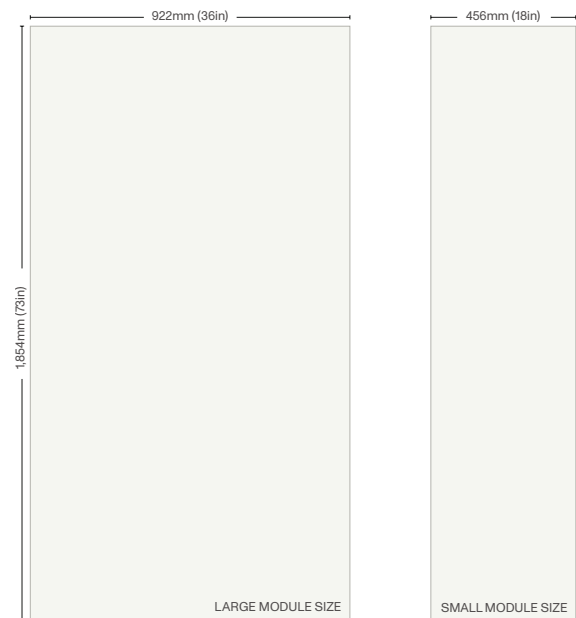
*These system sizes are based on one standard package consisting of 150 SQFT.



• eFacade LITE Sample Layout

Module Size Capabilities

Mitrex eFacade LITE offers two standard sizes that can be seamlessly integrated with other modules of the same size or between the two sizes.



Download the BIM catalogue
[HERE](#) or scan the QR code below

eFacade LITE Design Tools for BIM

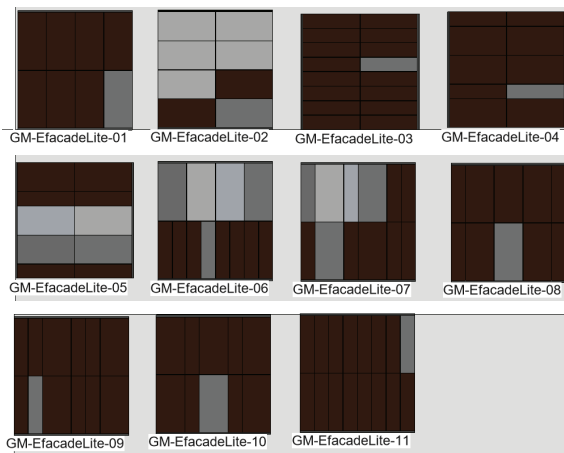
Mitrex has developed a Revit tool to simplify the integration of eFacade LITE into any architectural facade design. With customizable Revit Families available as Generic Models and Curtain Panels, users can easily apply eFacade LITE panels, adjust materials, and generate project schedules directly within Revit.

eFacade L Revit file name: Revit Library.rvt

Tools Included in Revit Library

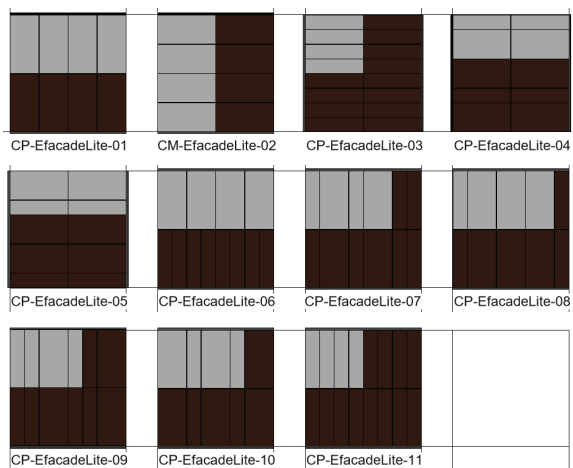
Family 1: Generic Model Family

This category is an independent family type that can be directly applied to the Revit project.

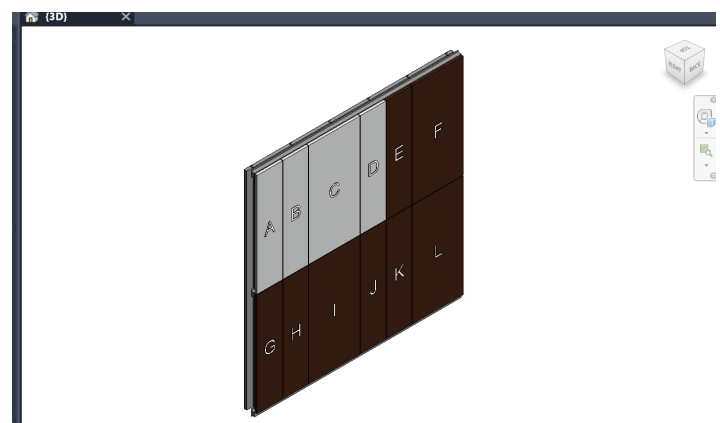
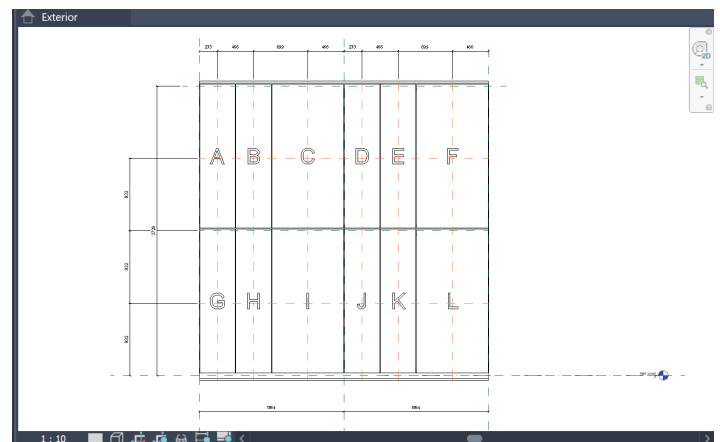
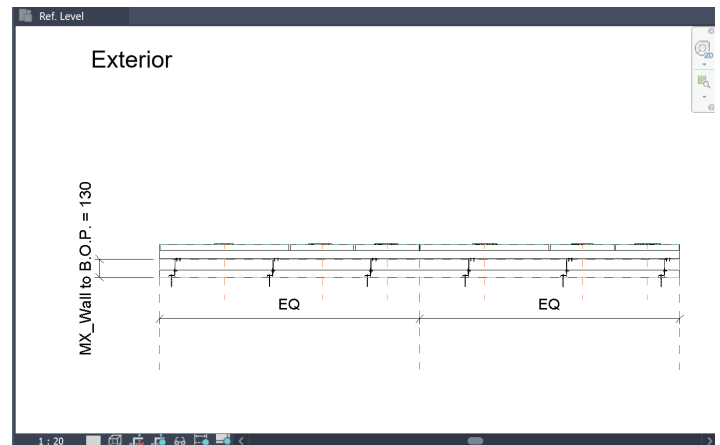


Family 2: Curtain Panel Family

This category must be hosted by a curtain wall within the Revit project.



[Take a look at Video -01](#)

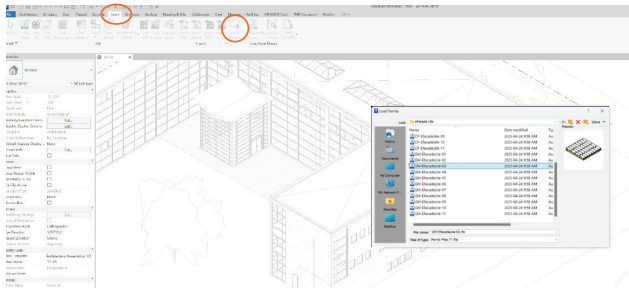


eFacade LITE Design Tool Revit visualization

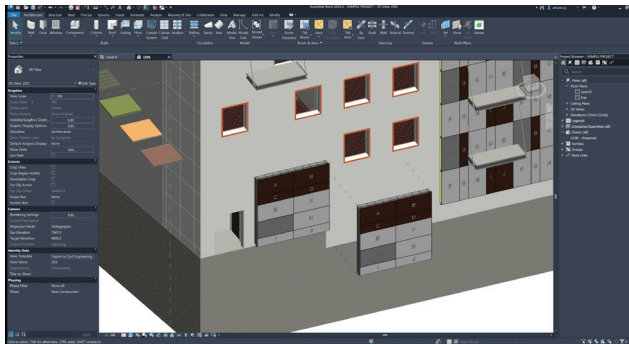
Based on the BIM workflow, choose the category, and then based on the design, choose the family.

Generic Model Family Usage Steps

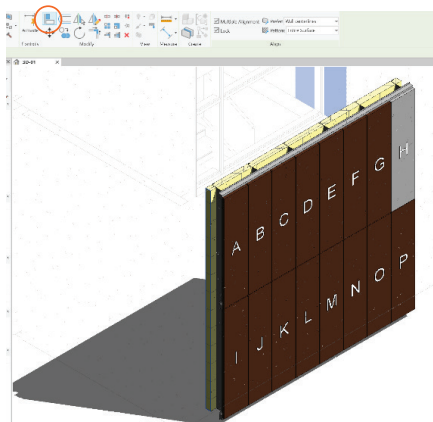
1. **Download The BIM Catalog File:** Go to <https://www.mitrex.com/resources/certifications-downloads> and look for the **eFacade LITE BIM Catalog zip file**
 **Take a look at Video -02**
2. **Load the Generic Model Family:** Open the Revit project and load the Generic Model family.



3. **Place the Family on the Facade:** Select the family and place it on the facade where desired. This family is a face-based generic model, so when taking it on the face of walls or other models, it automatically chooses its host.

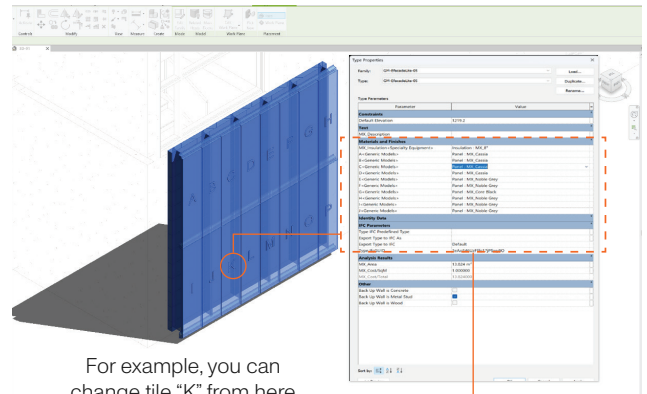


4. **Adjust the Placement:** by using Align tool, align the panel to the existing models.



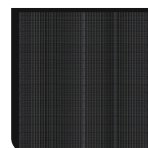
5. **Apply Materials:** Assign the appropriate materials to the tiles to match the design specifications.
 1. First select the family
 2. Click on the Type Properties
 3. Each tile has an alphabetical tag which you can find it in the Type properties and change it to the desired color.

 **Take a look at Video -03**

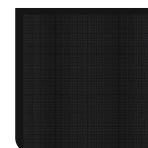


H<Generic Models>	Panel : MX Blackout
I<Generic Models>	Panel : MX Core Black
J<Generic Models>	Panel : MX Blackout
K<Generic Models>	Panel : MX Cassia
L<Generic Models>	Panel : MX Core Black
M<Generic Models>	Panel : MX Noble Grey
N<Generic Models>	Panel : MX Storm Grey
O<Generic Models>	Panel : MX Cassia
P<Generic Models>	Panel : MX Cassia

Available Colours: After clicking on each drop down menu in front of the tags, choose the color between these 5 options:



Core Black
⚡ 18W/SQFT



Blackout
⚡ 16W/SQFT



Nobel Grey
⚡ 10W/SQFT

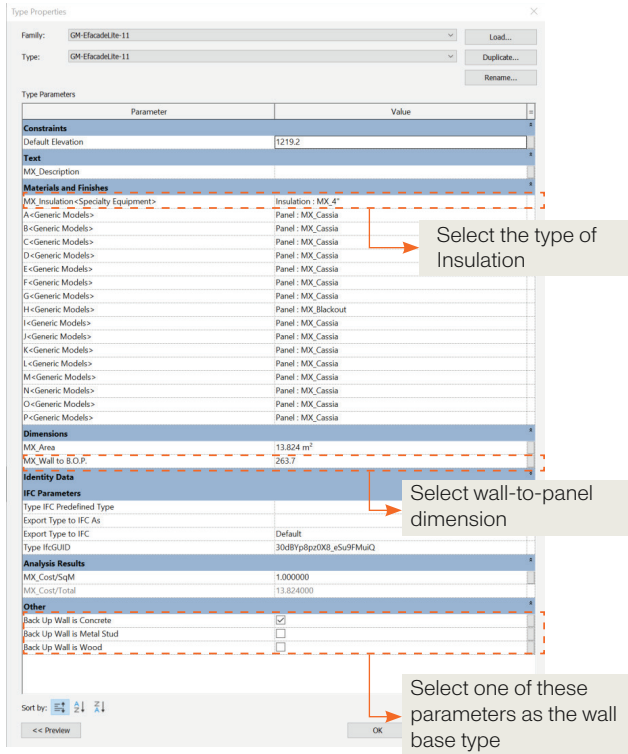


Storm Grey
⚡ 13W/SQFT

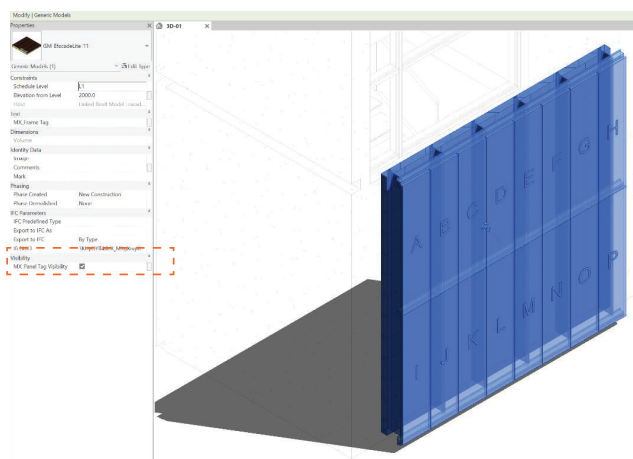


Cassia
⚡ 14W/SQFT

6. **Inserting Wall Information:** Insert the information about the wall where the panel will be sitting on and the type of Insulation.

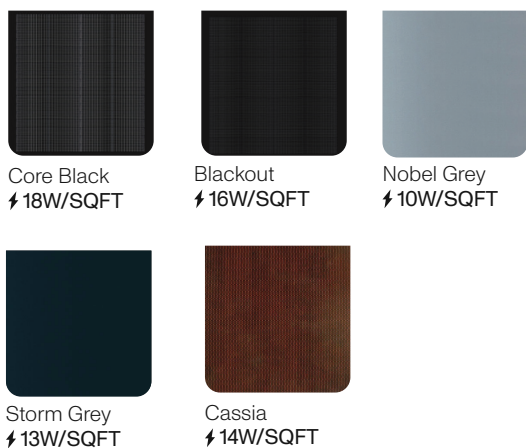


7. **Turning tags off:** After choosing the color of the tiles, turn off the tags from here:



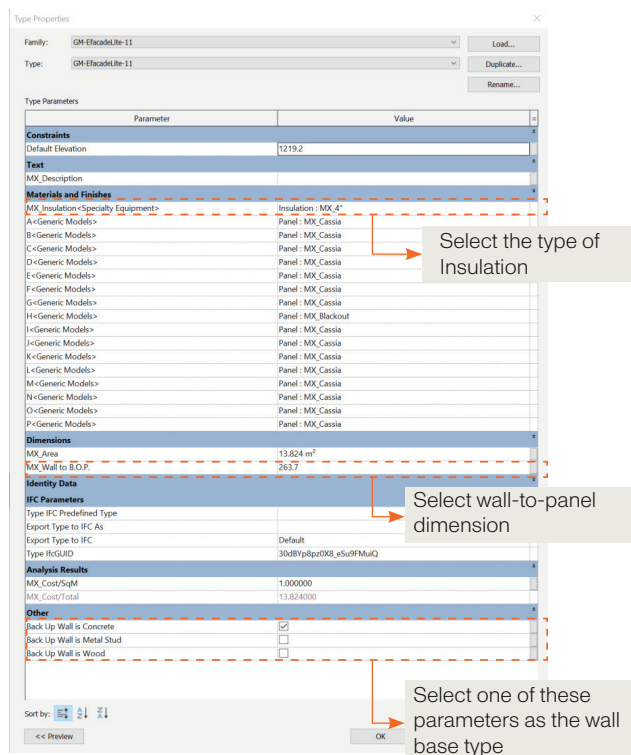
Curtain Panel Family Usage Steps

Implement the Families: Select the curtain panels and change them to the desired family type

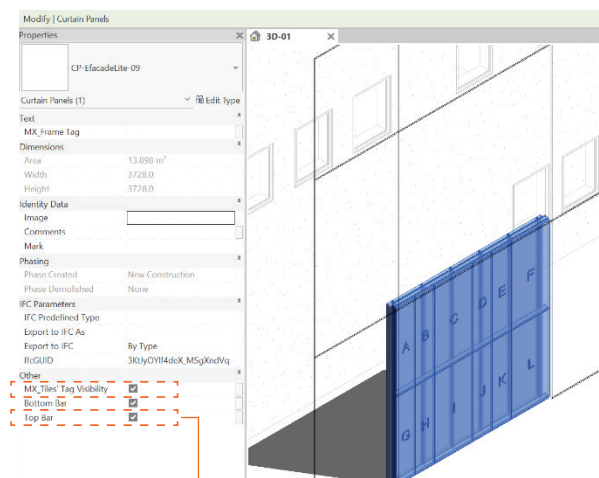


6. **Inserting Wall Information:** Insert the information about the wall where the panel will be sitting on and the type of Insulation.

▶ Take a look at Video -05



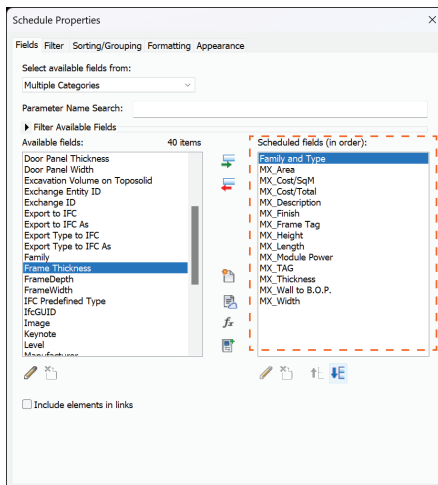
7. **Turning tags off:** After choosing the color of the tiles, turn off the tags from here:



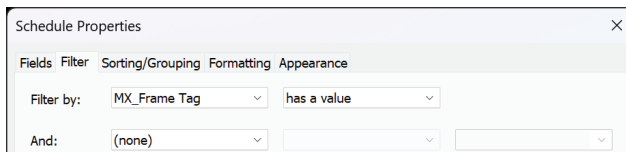
To prevent bar overlaps while applying curtain panels, disable them from this menu.

Create Schedules for Cost Estimates

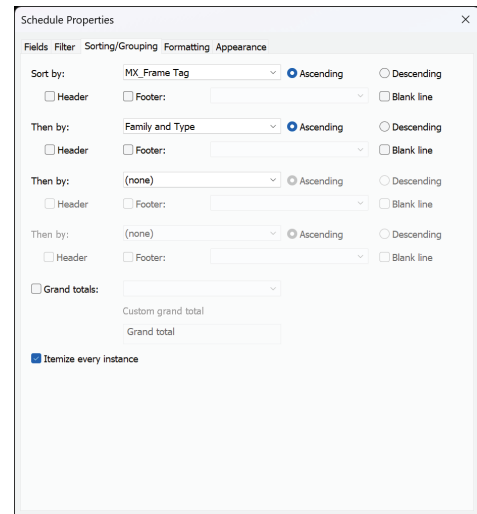
- 1. Create a New Schedule:** Go to the View Tab → Navigate to the "View" tab on the ribbon → Select Schedules → Click on "Schedules" → Then choose "Schedule/Quantities."
- 2. Choose the Category:** In the "New Schedule" dialog box, select "Generic Models", "Curtain Panel" or "Multi Category" from the category list.
- 3. Define Fields:** In the "Schedule Properties" dialog, go to the "Fields" tab → Add the fields desired to include in the schedule. Common fields include:



- 4. Filter Data:** In the Filter tab follow the picture below:



- 5. Sort and Group**



- 6. Finish and Place The Schedule:**

Multi Category Schedule										
A	B	C	D	E	F	G	H	I	J	
Family and Type	Count	MX_Area	MX_Cost/SqM	MX_Cost/Total	MX_Frame Tag	MX_Height	MX_Length	MX_Width	MX_Thickness	
MX_01										
CP-Elcaddit-01: CP-Elcaddit-01	1	14 m²	1	13.824	MX_01	3728		3728	51	
Insulation: MX_2	1	14 m²			MX_01			922	41	
Panel: MX_Canola	4	2 m²			MX_01	1854		922	41	
Panel: MX_Nobilia Grey	4	2 m²			MX_01	1854		922	41	
Solar Bar B Cover: Solar Bar B Cover	3				MX_01		3728			
MX_02										
CP-Elcaddit-01: CP-Elcaddit-01	1	14 m²	1	13.824	MX_02	3728		3728	51	
Insulation: MX_2	1	14 m²			MX_02			922	41	
Panel: MX_Canola	4	2 m²			MX_02	1854		922	41	
Panel: MX_Nobilia Grey	4	2 m²			MX_02	1854		922	41	
Solar Bar B Cover: Solar Bar B Cover	3				MX_02		3728			
MX_03										
CP-Elcaddit-01: CP-Elcaddit-01	1	14 m²	1	13.824	MX_03	3728		3728	51	
Insulation: MX_2	1	14 m²			MX_03			922	41	
Panel: MX_Canola	4	2 m²			MX_03	1854		922	41	
Panel: MX_Nobilia Grey	4	2 m²			MX_03	1854		922	41	
Solar Bar B Cover: Solar Bar B Cover	3				MX_03		3728			
MX_04										
CP-Elcaddit-01: CP-Elcaddit-01	1	14 m²	1	13.824	MX_04	3728		3728	51	
Insulation: MX_2	1	14 m²			MX_04			922	41	
Panel: MX_Canola	4	2 m²			MX_04	1854		922	41	
Panel: MX_Nobilia Grey	4	2 m²			MX_04	1854		922	41	
Solar Bar B Cover: Solar Bar B Cover	3				MX_04		3728			
MX_05										
CP-Elcaddit-01: CP-Elcaddit-01	1	14 m²	1	13.824	MX_05	3728		3728	51	
Insulation: MX_2	1	14 m²			MX_05			922	41	
Panel: MX_Canola	4	2 m²			MX_05	1854		922	41	
Panel: MX_Nobilia Grey	4	2 m²			MX_05	1854		922	41	
Solar Bar B Cover: Solar Bar B Cover	3				MX_05		3728			
MX_06										
CP-Elcaddit-01: CP-Elcaddit-01	1	14 m²	1	13.824	MX_06	3728		3728	51	
Insulation: MX_2	1	14 m²			MX_06			922	41	
Panel: MX_Canola	4	2 m²			MX_06	1854		922	41	
Panel: MX_Nobilia Grey	4	2 m²			MX_06	1854		922	41	
Solar Bar B Cover: Solar Bar B Cover	3				MX_06		3728			
MX_07										
CP-Elcaddit-01: CP-Elcaddit-01	1	14 m²	1	13.824	MX_07	3728		3728	51	
Insulation: MX_2	1	14 m²			MX_07			922	41	
Panel: MX_Canola	4	2 m²			MX_07	1854		922	41	
Panel: MX_Nobilia Grey	4	2 m²			MX_07	1854		922	41	
Solar Bar B Cover: Solar Bar B Cover	3				MX_07		3728			

NOTE: Before Scheduling, give a value to "MX_Frame Tag" which is assigned to all Curtain Panel and Generic Model Families.



Download the BIM catalogue
[HERE](#) or scan the QR code below

- **Toll Free**

+1 (855) 254 0214

- **Learn More**

mitrex.com

info@mitrex.com

- **Headquarters**

41 Racine Rd, Toronto, ON M9W2Z4, Canada

+1 (416) 497 7120

- **USA Office**

Chrysler Building, 405 Lexington Avenue Floor 26, New York, USA, 10174

+1 (646) 583 4486