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Tech**

ALUCOBOND® PLUS
GIVING SHAPE TO GREAT IDEAS

Façademaker: Optimizing Façade Design and Visualization

Façademaker is a digital tool developed to optimize façade design, layout and visualization with ALUCOBOND® PLUS panels. It enables users to quickly generate accurate digital representations of aluminum composite materials (ACM) panels. This helps teams move from concept to visualization in a fraction of the time required in traditional methods. Whether in early design phases or during project coordination, Façademaker provides a fast and reliable way to explore façade development and communicate ideas effectively.

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Project: National Center for Civil
and Human Rights
Architect: Perkins & Will
Fabricator: MillerClapperton

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Why Use Façademaker?

Façademaker enhances workflow across several key areas:

- **Speed:** Rapid panel visualization allows users to generate layouts in seconds, significantly reducing design iteration time.
- **Accuracy:** Built-in system constraints help minimize errors and ensure alignment with real-world constructability requirements.
- **Efficiency:** By automating layout processes, Façademaker reduces the need for repeated manual adjustments and revisions.
- **Collaboration:** Designs can be exported and shared with team members within minutes, improving communication and coordination across disciplines.

Design and Aesthetics

Façademaker offers versatility, enabling users to explore a wide range of geometries and panel configurations. Complex designs may now incorporate air cavities with depths of up to 7 inches. For additional information and project-specific guidance, consult your local sales manager and the ALUCOBOND PLUS Engineering Judgement documentation.

The platform also allows designers to quickly switch between different ALUCOBOND PLUS finishes, making it easy to evaluate aesthetic options in real time. In particular, the new Matte Series (Figure 1) provides a refined, contemporary look with reduced reflectivity, enabling more nuanced and sophisticated façade expressions.

Visualization and Form Exploration

Façademaker's visual interface makes it easy to study façade depth, articulation, and pattern. Users can generate and review a variety of shapes; from clean, orthogonal grids (Figure 2) to dynamic, angular compositions (Figure 3). Variation in panel depth can be explored to create shadow lines and visual interest, enhancing the overall building envelope.

Façademaker streamlines façade design with ALUCOBOND PLUS by improving speed, accuracy, efficiency and collaboration in a simple and easy to use tool. By enabling exploration and visualization of complex façade configurations with many unique finishes, ALUCOBOND PLUS can help architects give shape to their great ideas.

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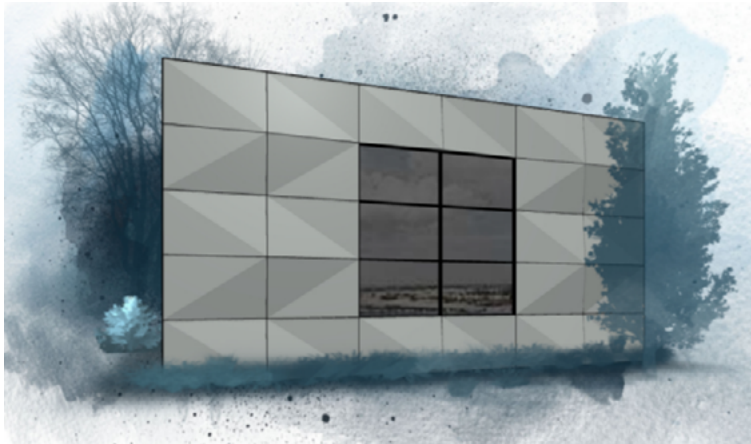


Figure 1: Matte Series (Pebble)



Figure 2: Flat Panels (Oyster)

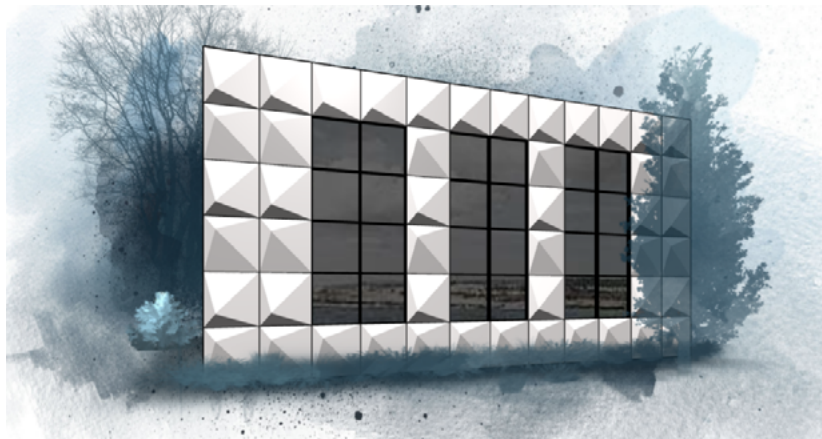


Figure 3: Angular Panels (Champagne Metallic)