

Primebuild Wall Panel Design Considerations

1. Product Compliance and Regulatory Considerations

The suitability of Primebuild decorative wall panels should be confirmed that decorative wall panels comply with all applicable performance, fire-safety, and durability requirements referenced in the local Building Code and any relevant provincial or municipal regulations. Clients are encouraged to consult with licensed design or building professionals, to verify compliance for the specific project type and occupancy classification.

2. Compatibility with Existing Structures

Primebuild decorative wall panels offer an efficient way to upgrade and transform existing finishes with minimal disruption. Panels can be applied directly over stable, prepared substrates such as dry wall, plywood, timber studs, metal studs, solid walls, fiber cement (FC), and plasterboard. Ensure that existing structures are level, dry, and capable of supporting the weight of the panels for a lasting and aesthetically pleasing installation.

3. New Construction & Substrate Preparation

For new builds or newly constructed substrates, Primebuild wall panels provide a flexible solution for both interior and select exterior applications. Prepare the substrate with appropriate framing or backing to ensure stability and support. New substrates should be designed to accommodate the panel weight and allow for seamless integration of finishes.

4. Panel Layout, Alignment & Installation Tolerances

Careful planning of panel layout is essential to achieve a uniform and cohesive appearance. Determine the best starting point for installation, considering alignment with existing architectural features, symmetry, and overall design goals. It is recommended to establish a consistent pattern or grid before installation, ensuring all panels are spaced evenly and meet specified tolerances for alignment.

5. Environmental Performance & Moisture Management

Primebuild wall panels are moisture-resistant; however, they are not intended for direct water exposure or continuously wet environments. Proper moisture management and ventilation are essential, especially in enclosed or high-humidity spaces, to maintain the panels' longevity and visual quality.

6. Integration with Lighting, Electrical & Decorative Trim

Primebuild wall panels integrate effectively with architectural lighting, electrical systems, and decorative trims. Ensure that fixtures, wiring, and trim elements are coordinated so they do not compromise the performance, clearances, or structural integrity of the panel installation.