

## Crystallized Glass Ceramic Panels—The Superior Alternative To Stone

Neopariés® is a unique glass building material, made by a highly sophisticated and specialized technique of crystallizing glass. The many performance attributes of Neopariés make it an ideal alternative to stone for interior and exterior walls, counters and table tops.

With a marble-like appearance, Neopariés is available in large flat or curved panels. As it is dramatically stronger than marble or granite it may be used in thinner and lighter configurations. Unlike natural stone or granite, Neopariés is nearly graffiti proof – greatly reducing maintenance problems and costs. The extremely smooth surface yields zero water absorption and nearly eliminates damage that can be caused by acids or alkalis. Neopariés is characterized by an extremely high sheen. This reflectivity of light frequently allows the reduction of artificial lighting, thus saving energy costs.

### FEATURES

- Bright, smooth surface appearance
- Large panel sizes: 35-7/16" x 70-7/8" (900 mm x 1800 mm) and 47-1/4" x 94-1/2" (1200 mm x 2400 mm) (5/8" White Only)
- High resistance to staining, pollution, graffiti
- For interior or exterior use
- Can be formed into convex or concave curved panels
- Four standard colors available
- Excellent strength allows for use of thinner and lighter panels

### COLORS

Neopariés is featured in the following colors:

White (413) | Light Beige (514) | Black (596) | Light Grey (584)

### COMPARISON CHART

	NEOPARIÉS	MARBLE	GRANITE
<b>BENDING STRENGTH (N/mm<sup>2</sup>)</b>	41	11	14
<b>MOH'S HARDNESS</b>	5.5	3	5.5 - 6.5
<b>THERMAL EXPANSION COEFFICIENT COEFFICIENT (x10<sup>-6</sup>)</b>	6.1	7.0	7.0
<b>ACID RESISTANCE<sup>1</sup> 1% H<sub>2</sub>SO<sub>4</sub> (mg/cm<sup>2</sup>)</b>	0.2	267	26.2
<b>ALKALI RESISTANCE<sup>2</sup> 1% NaOH (mg/cm<sup>2</sup>)</b>	0.7	7.8	2.6
<b>FREEZE/THAW RESISTANCE<sup>3</sup> (%)</b>	0.0	0.2	0.3
<b>WATER ABSORPTION RATE<sup>4</sup> (%)</b>	0.0	0.3	0.4
<b>DIFFUSE REFLECTION RATE (%)</b>	80	42	44

Note: 1. Weight loss of test piece of 25 x 25 x 5 mm after 24-hour immersion in 1% H<sub>2</sub>SO<sub>4</sub> solution of 90°C. 2. Weight loss of test piece of 25 x 25 x 5 mm after 24-hour immersion in 1% NaOH solution of 90°C. 3. Weight loss of test piece of 15 x 15 x 10 mm after 25 cycles: immersion of test piece in water of 25°C for 2 days = exposure for 4 hours in a temperature of -20°C. 4. Weight increasing rate of test piece of 25 x 25 x 15 mm after 48-hour immersion in water.



## THICKNESS

3/8" (10 mm +/-1.5 mm) Light application thin wall cladding.

5/8" (16.5 mm +/- 1.5 mm) Standard application paneling (including columns and curves), horizontal surfaces.

13/16" (21 mm +/- 1.5 mm) Elevated exterior applications, (rigorous design loads).

## FABRICATION

Neopariés is available in both stock panels and cut to size configurations. Fabrication of the product is similar to that of natural stone products. Neopariés can be cut, profiled, machined and edge polished by those who are equipped and comfortable with natural stone fabrication.

## INSTALLATION

The installation of Neopariés will vary according to the application and thickness of product.

3/8" (10 mm) Neopariés can be adhered to surfaces using traditional mastic adhesives and caulk. L-angle stainless steel supports may also be required to bear the additional weight of larger panels.

5/8" (16.5 mm) and 13/16" (21 mm) Neopariés is installed in vertical applications utilizing mechanical clips typical to natural marble and granite installation. No mortars or other adhesives are required. Each panel is independently attached to the supporting structure, eliminating "dead-loading" on lower panels.

Neopariés, when used for table and countertops applications, installs identical to natural stone materials.

## SPECIFICATIONS

Complete 3-part CSI format specifications are available online at [www.tgpamerica.com](http://www.tgpamerica.com), or by calling 800.426.0279. Please contact Technical Glass Products for more information.

## INSPECTION, SHIPPING & HANDLING

Upon receipt, compare Neopariés with the control samples to ensure the correct color has been received. Inspect for blisters, surface defects and any warpage (which should be less than 1.0 mm). Place in a square and measure the panel for squareness. Panels should have an accuracy of 0.1 mm.

Standard packaging for Neopariés is a wooden crate. Crates should not be stacked more than two high.

## TO PREPARE SHOP DRAWINGS OR A QUOTE, WE WILL NEED:

1. Color and dimensions of Neopariés and width and color of joints.
2. Details of special edge finish requirements: external corner, inside angle, etc.
3. Radius of curved Neopariés and details of installation.
4. Details of installation around openings such as windows, doors, elevators, etc.
5. Dimensions of holes and cutouts for outlets, etc., and position on the structure.

