

Comparison Chart

Installation of Gauged Porcelain Panels vs Other Panel Options

FEATURE	GAUGED PORCELAIN PANELS (GPPs)	NATURAL STONE	QUARTZ	LARGE-FORMAT STANDARD THICKNESS PORCELAIN
Aesthetic Variety	Wide range of stone, concrete, metal, wallpaper, and custom looks	Limited color control; unique, natural variation	Consistent, engineered appearance; fewer natural patterns	Wide range of stone, concrete, metal, wallpaper, and custom looks
Size	15"x30" up to 63"x126"	Approx. 60"x120"	Standard sizes: 55"-63" x 120"-126"	Generally smaller, often max at 36"x72"
Thickness	3.5mm up to 7mm	2cm or 3cm	2cm or 3cm	8mm up to 12mm
Weight	Lightweight: Approx. 2.8 - 3.5 lbs per square foot (varies by thickness)	Heavy: Approx. 12 - 22 lbs per square foot (varies by thickness)	Heavy: Approx. 20 - 25 lbs per square foot (varies by thickness)	Medium Weight: Approx. 5.5 lbs per square foot (varies by thickness)
Durability	Highly Resistant: Scratch, Stain, Heat, UV	Prone to scratches and stains. UV sensitive. Heat Resistant.	Not UV stable. Resistant to scratch, stain, and heat.	Equal to GPP, but more grout joints required.
Water Absorption	Impervious <0.5%	Typically porous; varies by stone type	Non-porous	Impervious <0.5%
Applications	Interior & Exterior: Walls, Floors, Façades, Countertops	Countertops, walls, some floors	Countertops, walls	Interior & Exterior: Walls, Floors, Limited Façades and Countertops

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Maintenance	Low: No sealing required, easy to clean	High: Requires sealing and specialized care	Low: No sealing required, easy to clean	Low: No sealing required, easy to clean
Sustainability	Comprised of natural materials, no VOC, recyclable. Can contribute to LEED credits.	High environmental impact from quarrying. Natural material.	May contain resins. Limited recyclability. Engineered.	Comprised of natural materials, no VOC, recyclable. Can contribute to LEED credits.
Installation	Requires skilled installers with specialized tools. Can be fabricated on-site.	Requires skilled installers. Heavy handling with fabrication off-site.	Requires skilled installers. Heavy handling with fabrication off-site.	Easier than GPP, standard tools and methods.
Cost Efficiency	High surface coverage. Fewer grout joints. Lower lifecycle costs.	High upfront and maintenance costs.	Moderate to high cost.	Lower cost; more grout lines increase maintenance requirements.
	Total cost range = \$20-\$40/SF	Total cost range = \$30-\$55/SF	Total cost range = \$40-\$65/SF	Total cost range = \$12-\$23/SF

**Total cost ranges include material and installation costs. Costs can vary by region, project scale, and installer experience. Ranges reflect typical U.S. commercial market averages as of 2024 and are for comparison purposes only.*

Key Takeaways

- GPPs offer the best balance of aesthetics, performance, and low maintenance across commercial applications.
- Larger panel sizes reduce grout lines, enabling faster installation and sleek visual appeal.
- Lighter weight makes GPPs suitable for vertical and overhead applications with less structural load.
- Superior durability and UV resistance make GPPs ideal for both interior and exterior use.

For additional guidance please contact your dedicated consultant or email us at info@creativematerialscorp.com.