

INTRODUCTION

Gauged Porcelain Panels (GPPs) are an innovative surface solution for commercial applications, offering large-format aesthetics, durability, and design flexibility. This guide provides detailed specifications, thickness options, and performance characteristics to aid in the selection and specification process.

PRODUCT OVERVIEW

MATERIAL COMPOSITION	High-Density sintered porcelain
STANDARD SIZES	Panels are available in dimensions as small as 15"x30" and as large as 63"x126".
THICKNESS OPTIONS	3.5mm - 5.6mm: Ideal for wall cladding
	5.6mm - 7mm: Suitable for floors
WEIGHT	Approximately 2.8 - 3.5 lbs per square foot (varies by thickness)
EDGE PROFILES	Rectified edges ensure precise installation with minimal grout lines.

PERFORMANCE CHARACTERISTICS

WATER ABSORPTION	< 0.5% Impervious and suitable for wet areas
FLEXURAL STRENGTH	Exceeds ASTM C880 standards for strength and durability.
CHEMICAL RESISTANCE	Resistant to acids, alkalis, and solvents.
THERMAL SHOCK RESISTANCE	Stable under extreme temperature changes.
UV RESISTANCE	Does not fade or degrade under direct sunlight.
SLIP RESISTANCE	Various surface textures available for DCOF > 0.42 Wet. Review each product sheet for applicable results.

APPLICATIONS & USES

INTERIOR WALLS & FLOORS	Ideal for commercial lobbies, corridors, and retail spaces.
EXTERIOR FACADES	Lightweight panels suitable for ventilated facades.
COUNTERTOPS	High durability with scratch and heat resistance.
WET AREAS	Water-resistant surface ensures longevity.
FURNITURE & CUSTOM APPLICATIONS	Can be integrated into bespoke design elements.

INSTALLATION CONSIDERATIONS

SUBSTRATE PREPARATION	The substrate preparation for GPP is the same as traditional large format tile. Ensure a flat, stable surface before installation. GPP does not require an extra layer of substrate flatness.
ADHESIVE SELECTION	High-performance polymer-modified adhesives recommended.
HANDLING & CUTTING	Requires specialized tools (score & snap, large-scale rail saw, waterjet cutting).
JOINT TREATMENT	Minimal grout lines; perfect opportunity to use color-matched grout.
EXPANSION JOINTS	Required per industry standards to accommodate movement.

MAINTENANCE & CARE

DAILY CLEANING	Use pH-neutral cleaners and soft cloths.
AVOID	Harsh abrasives or metallic pads.
LONG-TERM DURABILITY	Minimal maintenance required; maintains appearance over time.

SPECIFICATION LANGUAGE EXAMPLE

GAUGED PORCELAIN PANELS	Creative Materials Corporation [Collection]
COLOR	[Specify Color]
SIZE	[Specify Dimensions]
THICKNESS	[Specify Thickness]
SURFACE FINISH	[Specify Finish]
INSTALLATION FLOOR APPLICATION	Thin-Set Method with ANSI A118.15 Mortar. Compliant with ASTM C373, ASTM C880, and DCOF standards
INSTALLATION WALL APPLICATION	Thin-Set Method with ANSI A118.15 Mortar. Compliant with ASTM C373 and ASTM C880 standards.

CONCLUSION

For additional technical details, specification review and consultation, or related information, please contact your dedicated consultant or email us at info@creativematerialscorp.com. We'll be happy to assist.