

BAST ARCHITECTURAL SURFACES

PRODUCT DATA SHEET

January 2018

TPP - THIN PORCELAIN PANELS

PRODUCT DESCRIPTION

TPP or thin porcelain panels are large format glazed porcelain panels in 4'x8' and 5'x10'. With a dimension so big, we believe that our product will be the ideal replacement for natural marble. Coated with special materials, our Lamina tiles will be much longer lasting and much less porous compared to natural marbles.

Using the most advanced and newest machineries from Italy also enables us to produce thinner slabs compared to ordinary tiles & marbles, while still ensuring an even tougher & stronger bending strength. These thin panels reduce the need of structural load requirement and ensure an easier & faster handling & application.

RECOMMENDED APPLICATIONS

Thin Porcelain Panels can be applied on floors, walls, ceilings, and countertop applications.

PRODUCT COMPOSITION

TPP is a large format porcelain product.

CONDITIONING

TPP panels may be sensitive to changes in temperature and humidity conditions. Prior to install, panels should be conditioned under stable humidity conditions similar to the conditions at the installation site. Exposure to excessive heat, cold or moisture after installation may cause swelling.

STORAGE AND HANDLING

TPP products should be stored in a clean and humidity controlled area. Extreme temperature fluctuations can cause the sheers to deform (temporary curling), making handling during installation more difficult. Avoid storage where temperatures change drastically.

Transport panels with care, avoiding excessive stress and preventing damage; use appropriate equipment.

INSTALLATION

All panels should be inspected prior to installation to ensure that they are clean and free of defects. All defects should be corrected before applications. Material, equipment, and workmanship should conform to industry-standard practices, conditions, procedures, and recommendations.

Check the installation surface to ensure it is square and free from bumps, bowing, and obstructions before beginning work. Install surface should be such that the maximum deflection is no more than L/240.

TECHNICAL FEATURES

	TPP value	Required Value
SIZES	Length and width +/- 0,25% max Thickness +/- 5% max Edge Straightness +/- 0,25% max Rectangularity +/- 0,25% max Planarity +/- 0,1% max	Length and width +/- 0,6% max Thickness +/- 5% max Edge Straightness +/- 0,5% max Rectangularity +/- 0,6% max Planarity +/- 0,5% max
Water Absorption	+/- 0,5% max	+/- 0,5% max
Bending Strength	? 35 N/mn	Breaking Modulus ? 35 N/mn
Resistance to thermal shock	Resistant	Resistant
Friction Coefficient (slipperiness)	From R9 to R13	R9 min
Abrasive Resistance	Report Abrasion class and cycles passed	PEI III Min
Chemical Resistance	Must not produce noticeable signs of chemical attack	No visible effect
Stain Resistance	Class 3 minimum	Class 3 minimum
Weight	23kg/sq. meter	
Thickness	8mm	

WARRANTY

BAST Surfaces expressly warrants that its products are free of defects and are of merchantable quality. Products must be inspected prior to installation and natural tendencies of stone should be consider. BAST TPP products have a 5 year limited warranty that is limited to the replacement cost of material alone and no warranty on fabrication is expressed or implied.