SIMPLICITY

ARCHITECTURAL WALL PANELS

COLLECTION: **ORNAMENTAL**

PRODUCT ID: **ORN3010**

PRODUCT

- ESPC

STANDARD SIZES

- 0.2 in x 48 in x 96 in
- 0.2 in x 48 in x 102 in
- 0.2 in x 48 in x 110 in

CHARACTERISTICS

- Waterproof
- Fire resistant
- High gloss or matte surface
- Anti-abrasion & anti-stain
- Formaldehyde free
- Easy & quick installation
- Integrated corner finishing
- Curved surface covering

APPLICATION

- Showers
- Bathrooms
- Public Areas
- +More

TECHNICAL SPECIFICATIONS

ITEM	STANDARD	PERFORMANCE
Water absorption	ISO 62-2008 method 1 Dry at 50°C and then with 24hrs Distilled water (23.0±1.0°C) submersion	Water absorption(%): 0.03 Length change rate(%): 0.18 Width change rate(%): 0.13 Appearance changes: no visible change
Wear resistance	ASTM D 4060-19 & client's requirement (2000r)	Weight loss (mg): 1 Wear index (mg/1000r): 0.7 2000r no wear out
Pencil hardness	ASTM D3363-22	Gouge hardness: 4H Scratch hardness: 3H
Density	ISO 1183-1:2019 method A	2.076g/cm³
Resistance to immersion in boiling water	ISO 4586-2:2018(E) clause 13 Immersion time in boiling water: (120±5) min	Mass increase rate(%): 0.12 Thickness increase rate (%): 0.42 Surface rating: rating 5 (no visible change) Edge rating: rating 5 (no visible change)
Dimensional stability at elevated temperature	ISO 4586-2:2018(E) clause 19 Dry condition: 70±2°C, 24h High humidity condition: 40±2°C, 90-95%RH, 96h	MD(%): 0.15 TD(%): 0.15
Large ball impact resistance	ISO 4586-2018(E) clause 25	No cracks on the surface when dropped from a height of 2000mm
Resistance to scratching	ISO 4586-2:2018(E) clause 29	Rating 4
Resistance to staining	ISO 4586-2:2018(E) clause 30 (acetone/coffee/ 25% sodium hydroxide / 30% hydrogen peroxide/ carbon black suspension in paraffin oil (shoe polish simulant)	Appearance rating: 5 (no visible change)
Release of formaldehyde	EN15102:2007 +A1:2011	None detected
Heavy metals & specific elements	EN15102:2007 +A1:2011	None detected
Release of vinyl chloride monomer(VCM)	EN15102:2007 +A1:2011	None detected
VOC	ISO16000-9:2006/Cor1-2007 & ISO16000-6:2021 & ISO16000-3:2022	A+