



WEST COAST COUNTERTOPS, Inc.

Granite - Solid Surface Products - Plastic Laminate - Cultured Marble - Quartz

(800) 734-8799

GLOBAL STONE® solid surfacing material

Product Specifications:

GLOBAL STONE® solid surfacing material is non-porous and homogeneous throughout with a standard material thickness of 12mm. GLOBAL STONE® solid surface is a blend of Unsaturated Acrylic/Polyester blend Resin, Methyl Methacrylate, ATH (Aluminium Hydroxide), other natural mineral fillers and pigments.

Our Solid Surfacing Material comprises of the following features:

- 1) Solid, non-porous and homogeneous throughout.
- 2) Unique strength and high thermal shock and impact resistance.
- 3) Joints are seamless and impermeable using GLOBAL STONE® adhesive.
- 4) Not affected by water and corrosion.
- 5) Stains can be easily removed by water and soap.
- 6) Completely safe, hygienic and environmentally friendly - does not encourage growth or deposit of bacteria or radioactive compounds.
- 7) Scratches, knife cuts, cigarette burns or other accidental damages that may occur to GLOBAL STONE® surfaces can be easily removed by abrasive cleaners, Scouring pads or sand paper.
- 8) GLOBAL STONE® is resistant to hot pots/pans up to 200°C (20 minutes) with no change in colour or lustre.
- 9) Excellent fire retardant and does not emit toxic fumes under burning condition.
- 10) High Resistance against UV rays.
- 11) Surface can be repaired without trace using GLOBAL STONE® repair kit.

Applications include -

Kitchen Worktops, Vanity Worktops, Wall Cladding, Skirting & Trimmings, Laboratory Worktops, Decorative Counters, Bathtub Surround, Shower Floors, Tables & Chairs, Signage, Integrated Sinks & Bowls, Breakfast Counters, Reception & Bar Counters

GLOBAL STONE® sheets are also available in thickness of: 6mm for Wall Panel Application.



WEST COAST COUNTERTOPS, Inc.

Granite - Solid Surface Products - Plastic Laminate - Cultured Marble - Quartz

(800) 734-8799

GLOBAL STONE® solid surfacing material

Technical Data:

Taken under Singapore Productivity and Standard Board (IAPMO PS 18-66)

Characteristics	Performance Values	Test (IAMPO PS18-66)
Density - mean	1.68 g/cm ²	ASTM D792:91
Barcol Hardness - mean	61	ASTM D2583:93
Tensile Strength - mean	47.14N/mm ²	ASTM D638:96
Tensile Modulus - mean	9586N/mm ²	ASTM D638:96
Elongation at break - mean	0.67%	ASTM D638:96
Modulus Of Elasticity	1090kg/mm ²	JIS K7203
Compression Strength	139.10 N/mm ²	ASTM D1621-94
Impact resistance	Passed/No fracture	IAMPO PS18-66
Water Absorption Shall not absorb water in excess of 0.58% in 24hrs	0.03%	ASTM D570:88
Coefficient Of Thermal Expansion (-50°C to 40°C)	44.1 microm/m°C	TMA (Thermomechanical Analysis)
Coefficient Of Thermal Expansion (100°C to 175°C)	131 microm/m°C	TMA (Thermomechanical Analysis)
Fire Propagation	Class 0	BS476 Part6 : 1989
Surface spread of Flame	Class 1	BS476 Part7 : 1997
Resistance to dry heat	Resistance to hot pot up to 200°C for 20 minutes without change to colour and lustre	JISK9602
Heat Resistance	No swelling or cracking or decrease in lustre or colour	JISK9602



WEST COAST COUNTERTOPS, Inc.

Granite - Solid Surface Products - Plastic Laminate - Cultured Marble - Quartz

(800) 734-8799

GLOBAL STONE® solid surfacing material

Technical Data:

Taken under Singapore productivity and Standard Board (IAPMO PS 18-66)

Characteristics	Performance Values	Test (IAMPO PS18-66)
Stain Resistance (Common)	Passed	IAMPO PS18-66
Coffee/Tea/Detergent/Acetone/ Olive oil/Lipstick/Fly spray /Ink, washable/ Urea (6%) / Alcohol/Iodine (1%)/Shoe polish/Vinegar/House ammonia Solution(10%)/Citric acid solution(10%) /Acryl acetate/ Carbon tetrachloride/ Tri sodium phosphate		
Cigarette Test	Passed	IAMPO PS18-66
Wash ability Test Shall withstand 40,000 cycles in scrub test (only slight brush marks are allowable)	Passed	IAMPO PS18-66
Oven test for cracking or crazing, Oven test at 74 ±2°C for 10 days evidence of cracking or crazing	Passed	IAMPO PS18-66
Load on drain fitting connection	Passed	IAMPO PS18-66
Fungi Growth Test	Passed / No Growth	IAMPO PS18-66 / ASTM G21-96
Bacteria Growth Test (ATCC 9027)	Passed / No Growth	IAMPO PS18-66
Fire Effluents Test, Toxicity	Passed	Air emission Standards - Singapore Clean Air (Standards) Regulations



WEST COAST COUNTERTOPS, Inc.

Granite - Solid Surface Products - Plastic Laminate - Cultured Marble - Quartz

(800) 734-8799

COMPARISON WITH MARBLE AND GRANITE

Property	SOLID SURFACE MATERIAL	MARBLE/GRANITE
Durability	A homogeneous non-coated material. Durability is more than 12 years with the original new look. New look often lasts until user decides to change the surface.	Once a thin layer of surface coating wears off, it becomes susceptible to water and weather conditions. New look can fade within a short period, 1 ~ 2 years.
Maintenance	Little or no maintenance	Needs professionals to maintain reasonably new look.
Chemical resistance	Very high	Poor
Abrasion Resistance	High	High
Flammability & fire resistance	Retards spread of fire	No spread of fire
Stain Resistance	Homogeneous and non porous hence stains can be removed using household detergents, water and scotchbrite pads	Stubborn stains remain and are difficult to remove
Moisture resistance	Non-porous, non-retentive	Porous, retains water hence promotes growth of bacteria, can be unhygienic
Impact resistance	Very High	High
Scratch resistance	High	High
Restoration and aesthetics	Original finish can be restored easily	Extremely difficult to restore original finish
Workability	Very easy to work on/can be worked on	Difficult to work on
Seams and joints	Joints are seam free and homogeneous. Hence do not accumulation of dust, bacteria after usage	Joints are not seam free and are susceptible to accumulation of dust, bacteria. Hence joints become dirty and unhygienic after some usage
Moulded items	Sink bowls and other moulded items are possible	Can not be moulded
Integration of moulded items	Sink bowls and other moulded items can be integrated into worktops to give aesthetic appearance, homogeneous and hygienic properties.	Seam free integration Sink bowls and other moulded items cannot be integrated into worktops.