

Artificial Quartz, Marble & Granite

Data Sheet

Artificial Quartz Slab **Floor, Wall, Table/Kitchen, Counter & Washing Top**

Artificial Marble Slab **Floor, Wall, Table/Kitchen, Counter & Washing Top**

Artificial Granite Slab **Floor, Wall, Table/Kitchen, Counter & Washing Top**

Artificial Terrazzo Slab **Flooring System [Call it Thin-Set Epoxy Terrazzo]**

**Applied on Resident, Shopping Complex,
Commercials, Hospitals, Hotel, Industrials & Housings**

**Decorative Floor, Wall, Table/Kitchen, Counter & Washing Top for Chemical
Resistance, High Performance, Easy Clean, Highly Durability & Flexibility**

Select of Thickness: 12, 14 & 16mm
 20mm
 30mm

for Medium-Duty,
for Heavy-Duty
for Extremely Heavy-Duty



Applied on Lift Wall & Floor



Commercial Shopping Centre Floor



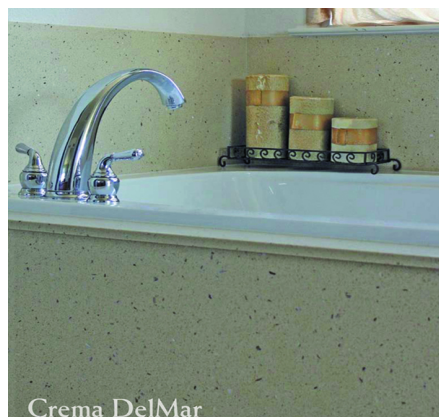
Hotel Floor, Column & Wall



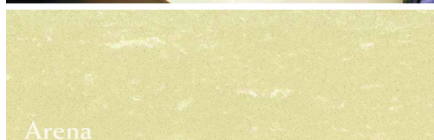
Office Floor & Wall

Artificial Quartz, Marble & Granite

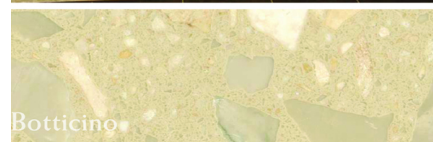
Data Sheet



Bath Tub



Washing Top



Washing Top



Shopping Centre Floor



Polished



Office Floor Close Up



Design of Decorative Floor

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Health & Safety Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheets, available from **LAMACO Malaysia** on request and sent with each delivery.



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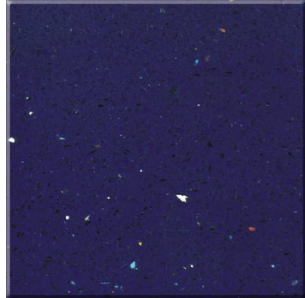
Artificial Quartz Slab Floor, Wall, Table/Kitchen, Counter & Washing Top

Panel Slab Size: Select thickness from 12, 14, 20 & 30mm
[3000mm x 1400mm] & [2700mm x 1500mm]

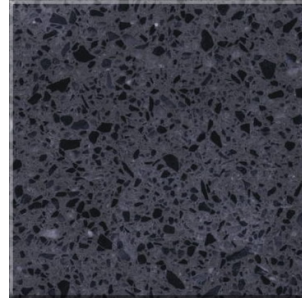
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[600mm x 600mm], [600mm x 300mm] & [300mm x 300mm]



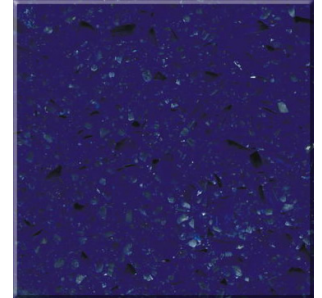
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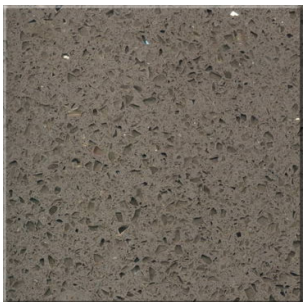
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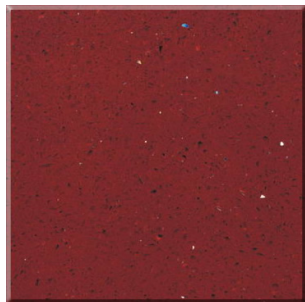
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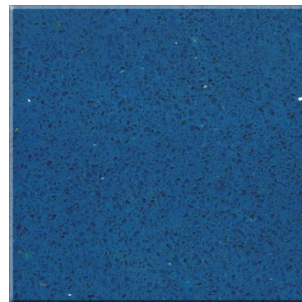
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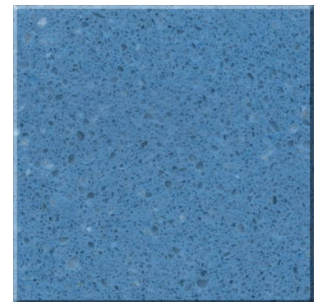
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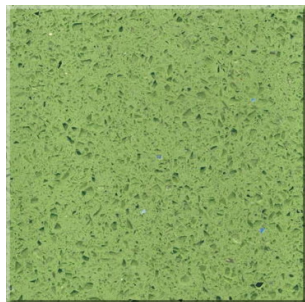
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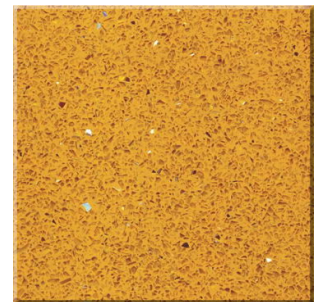
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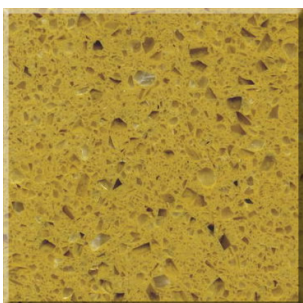
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BYQ213



BYQ212



BYQ211



BYQ210



BYQ209



BYQ208

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Artificial Quartz Slab Floor, Wall, Table/Kitchen, Counter & Washing Top

Panel Slab Size: Select thickness from 12, 14, 20 & 30mm
[3000mm x 1400mm] & [2700mm x 1500mm]

Slab Floor Size: Select thickness from 12, 14, 20 & 30mm
[600mm x 600mm], [600mm x 300mm] & [300mm x 300mm]



BYQ207



BYQ206



BYQ205



BYQ204



BYQ203



BYQ202



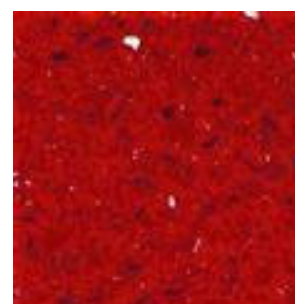
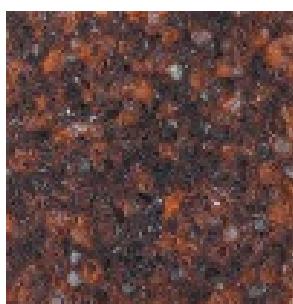
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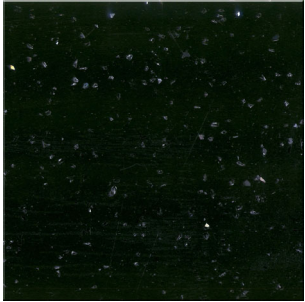
Artificial Quartz, Marble & Granite

Data Sheet

Artificial Marble Slab Floor, Wall, Table/Kitchen, Counter & Washing Top

Panel Slab Size: Select thickness from 12, 14, 20 & 30mm
[3000mm x 1400mm] & [2700mm x 1500mm]

Slab Floor Size: Select thickness from 12, 14, 20 & 30mm
[600mm x 600mm], [600mm x 300mm] & [300mm x 300mm]



BD999



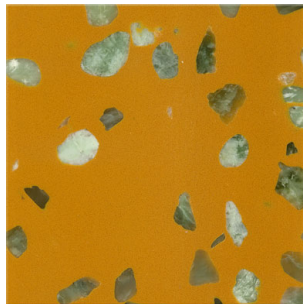
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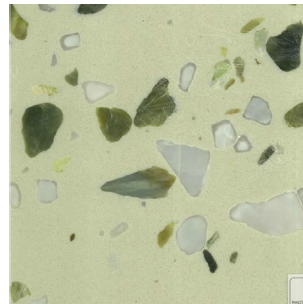
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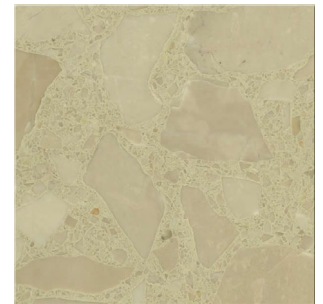
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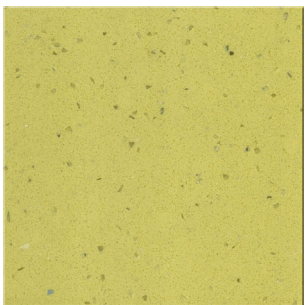
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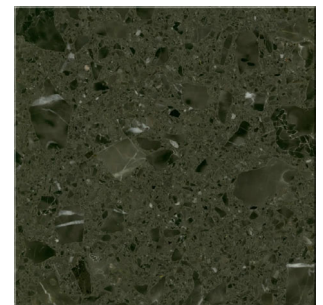
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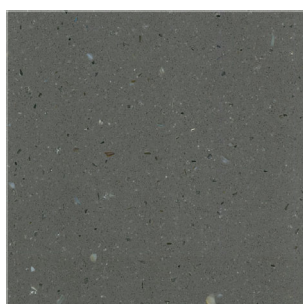
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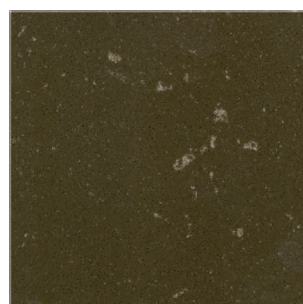
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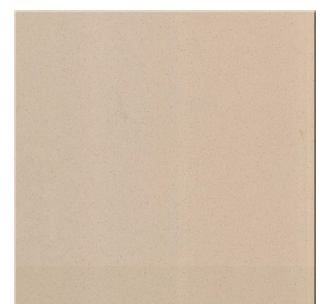
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GS206



BH901



BS109

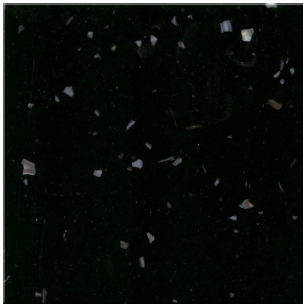
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Artificial Marble Slab Floor, Wall, Table/Kitchen, Counter & Washing Top

Panel Slab Size: Select thickness from 12, 14, 20 & 30mm
[3000mm x 1400mm] & [2700mm x 1500mm]

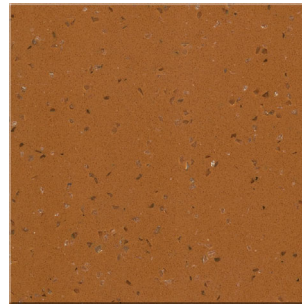
Slab Floor Size: Select thickness from 12, 14, 20 & 30mm
[600mm x 600mm], [600mm x 300mm] & [300mm x 300mm]



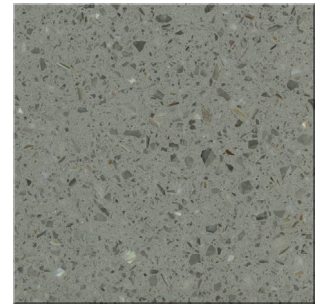
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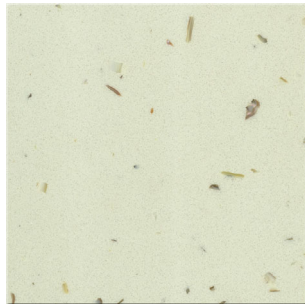
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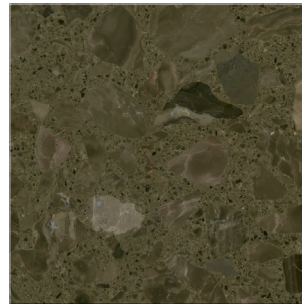
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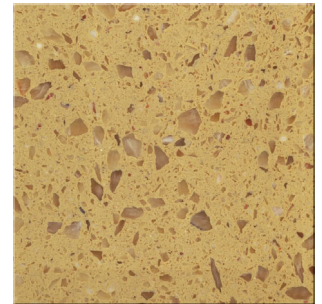
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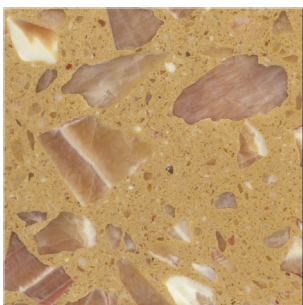
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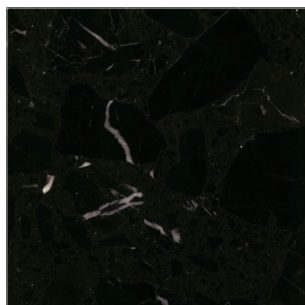
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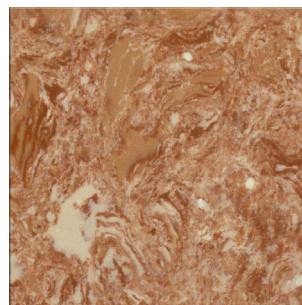
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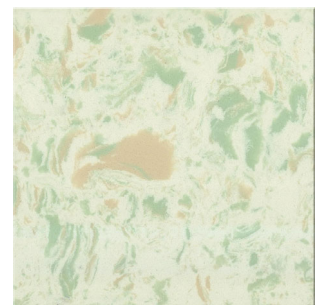
BY820



BY910



BD016



BD007

Artificial Quartz, Marble & Granite

Data Sheet

Description & Uses

Artificial Slab is **Resin** is a colored solvent-free resin binder formulated to be filled with fine mineral and coarse decorative aggregates (modified color cement, natural chipping or marble dust and marble chips). This system offers custom and versatile design options, while providing a seamless finish with excellent wear resistance.

This system is designed for interior use on concrete, plywood or steel substrates. Artificial Slab is ideal for new or renovation work because it is thin and quickly installed. Conforms to **NTMA for Artificial Slab**.

Artificial Slab is available in 4 versions:

- Improved version for easier workability and faster installation.
- Original formulation with flow able properties.
- Designed for vertical applications or coved bases
- Thixotropic version.

Characteristic

1. Seamless, waterproof and easy to clean and maintain.
2. Unmatched design versatility.
3. Exceptional durability and abrasion resistance.
4. Lightweight
5. Very low life cycle costs compared to other floor finishes.
6. Thin set for easy jointing with adjacent floor finishes.

Surface Preparation

Please refer to our **Method Installation** details, Substrate must be sound, dry and free of all contaminants.

Concrete: Clean mechanically or acid etch, depending on conditions.
Metal: Sandblast.
Wood: Sound and clean

Technical Information

Color: As per TTMAC color plate or custom colored.
Solids content: Per volume 100%
Density: 2.15 – 2.25 kg/cm³

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LAMACO-Artificial Slab

All Grade of Artificial Slab System

Cured System Physical Properties

Properties	Test Methods	Test Require	Result
Compressive strength	ASTM C 579	5-6 mm/minute	94.7 MPa (13,732 psi)
Tensile strength	ASTM C 307	5-6 mm/minute	12.9 MPa (1,875 psi)
Flexural strength	ASTM C 580	22.8 cm (9") at 3.4 mm/minute	26.1 MPa (3,785 psi)
Modulus of elasticity in flexion	ASTM C 580	22.8 cm (9") at 3.4 mm/minute	6,652 MPa (964,540 psi)
Bond Strength	ASTM D 4541	On concrete	> 1.6 MPa (> 230 psi)
Impact resistance	ASTM D 3029	Top coat On concrete Matrix coat On concrete	5.3 J (47.3 in•lbs) 12.6 J (111.5in•lbs)
Hardness (Durometer) Shore D	ASTM S 2240		74
Indentation and Residual resistance	CSA A 126.1	After 1 minute at 23°C After 10 minutes at 23°C	0.045mm 0.050mm
Toxicity			Approved
Water vapour transmission and permeance	ASTM E 96	Water procedure B at 23°C	0.10 g/h•m2 15.4 metric perms (0.27 perm)
Freeze – thaw resistance	ASTM C 67	Section 8, 50 cycles	Passes
Indentation and Residual resistance	CSA A 126.1	After 1 minute at 23°C After 10 minutes at 23°C	0.045mm 0.050mm
Abrasion resistance	ASTM D 4060	CS-17 Wheels @1000 g/wheel – 1000 revolutions H-22 Wheels @1000 g/wheel - 1000 revolutions	109 mg loss 0.08 mm (3mils) groove 163 mg loss *
Water permeability and absorption	ASTM D 570	24 hrs immersion at 23°C 7 days immersion at 23°C 2 hrs immersion in boiling water	0.10 % 0.19 % 0.33 %

Control Joints Isolation/Expansion and Other Joints Subject to Movement

All expansion joints must be honored through the flooring system. For information pertaining to the above, consult Manufacturer's publication, Concrete 105.

Guide of commonly used **L-types Divider Strip** for **Thin-set Artificial Slab** System

Control Joint or Expansion Joint L-types Divider Strip	Strip High	Strip Width/Thickness
Copper, Brass or Aluminium L-type Divider Strip	9mm	4mm or 6mm or 9mm
Copper, Brass or Aluminium L-type Divider Strip	11mm	4mm or 6mm or 9mm
Copper, Brass or Aluminium L-type Divider Strip	13mm	4mm or 6mm or 9mm