

**RIYYA**

ACRYLIC SOLID SURFACE

**DESIGN  
DREAMS**

made into reality

RIYA is the ideal material that combines practicality, durability, and elegance. It's the perfect material that enable you to create a one-of-a-kind design for limitless self-expression and design possibilities.

**Composition:** RIYA Acrylic Solid Surface is manufactured with the composition of approximately 1/3rd of Acrylic Resin PMMA (Polymethyl Methacrylate), MMA (Methyl Methacrylate), and 2/3rd of ATH (Aluminium Hydroxide) along with colored pigments in proportion.

**Features:**

1. It is a non porous which makes it highly stain and moisture resistant, also does not allow bacteria growth making it hygienic.
2. Bendable - can take any shape by thermoforming process.
3. Seamless - joints are not visible irrespective of the shape.

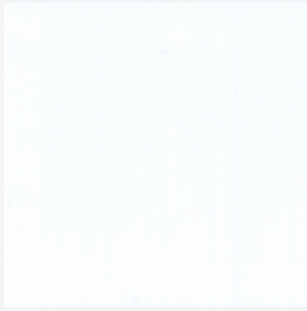
## SPECIFICATION

**Material Properties**

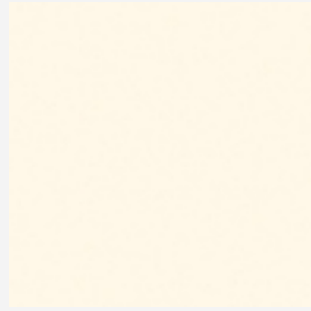
Property	Test standard	Unit	12 mm
Density	ASTM C97/C97M-15	kg/m <sup>3</sup>	1744.5
Weight per square metre	-	kg/m <sup>2</sup>	20.8
Flexural modulus	ASTM D790-17	Mpa	1106.16
Flexural strength	ASTM D790-17	Mpa	68.83
Tensile modulus	ASTM D638-14	MPa	9637.38
Tensile strength	ASTM D638-14	MPa	46.4
Barcol hardness	ASTM D2583-13a		66/67
Ball drop test	JC/T 908/2013		180CM
Absorption by weight	ASTM C97/C97M-15	%	0.05
Izod Notched Impact Strength	ASTM D256-10e1	J/m	18
Heated pan test	ANSI Z124.6	-	No effect
Cigarette test	ANSI Z124.6	-	No effect
Surface Burning Characteristics	ASTM E84-17	-	Class A
Antimicrobial activity test	ASTM G 21-15	-	0 Grade
High temperature resistance	NEMA LD-3	-	No effect
Stain resistance test	ANSIZ 124	-	Pass
Abrasion resistance	ASTM C241/C241M-15ε1	-	Pass
Light Aging Test - Xenon Lamp Exposure	ANSI Z124.6 & ASTM D2565-99 & ASTM D2244-16	-	Pass
Thermomechanical Analyzer	ASTM D696-16	-	负30°C~30°C:29.08×10-6(1/°C)

\* Properties for Pure White KS-003. Values may vary from colors.

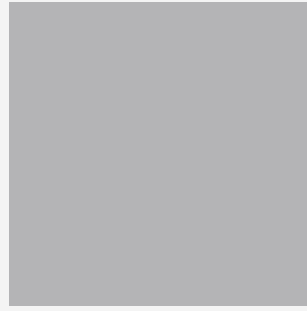




PS-034 EXOTIC WHITE



PS-201 BONE



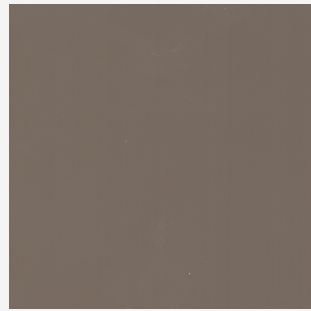
PS-005 GREY



PS-103 CONCRETE GREY



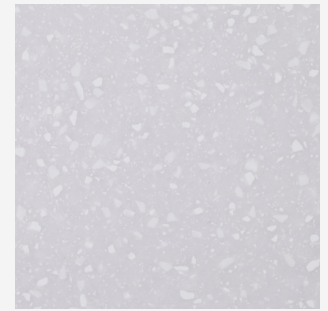
PS-109 STEEL



PS104 TOFFEE BROWN



PS-022 SPACE BLACK



PG-034 WHITE GRANITE



PG-113 GEMINI



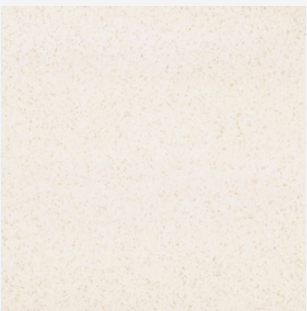
PG-001 WHITE STONE



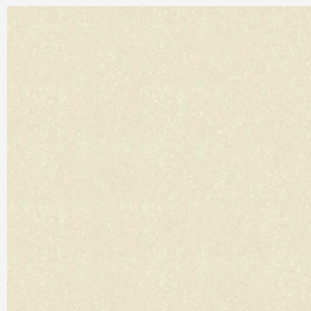
PG-002 CLOUD STONE



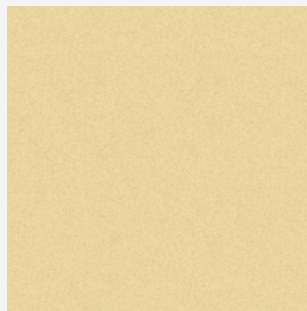
PG-101 CRYSTAL BEIGE



PG-109 ASHLEY BEIGE



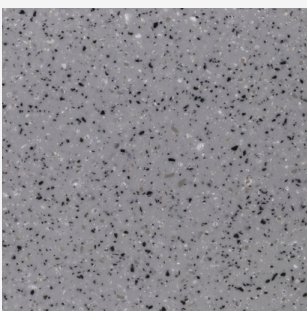
PG-038 ELEGANCE



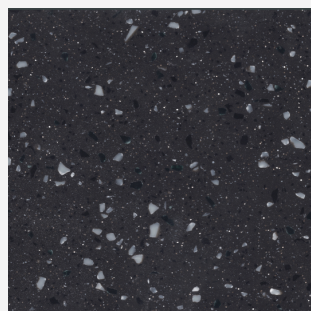
PG-048 GOLDEN SAND



PG-555 MODERN CONCRETE



PG-138 GREY STONE



PG-003 NIGHT STONE



PP-001 SPARKLING WHITE



PP-002 SPARKLING GREY

**RIYA**  
100% ACRYLIC SOLID SURFACE

