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riStone

FEATURES

- 1. Hygienic material for Kitchen and Counter Top**
TRISTONE has non-porous structure which makes highly resistant to bacterial growth and everyday stains. We've already acquired NSF 51 for food contact.
- 2. Easy to fabricate and design**
With an excellent thermoformable property, TRISTONE could be shaped in various way. Also there are approximately 200 colors in our range, you can easily design your home and commercial area.
- 3. Durability**
Compared with other surface materials, acrylic solid surface is much more durable against heat, moisture and others.
- 4. Easy maintenance**
By a simple wiping with a sponge or dish towel, you can easily clean the dirt and food residue.
- 5. Integrated Kitchens with seamless joint**
With a specialized TRISTONE adhesive, you can integrate Kitchen top with backsplash, apron and sinks without seam.





APPLICATIONS

TRISTONE is the brand name for Acrylic Solid Surface material created by Lion Chemtech Co., Ltd.

TRISTONE is priced to compete with Natural Stone or Engineered Stone

It is available in many colors and patterns.

The material can be formed to shape, which makes it appealing to commercial and industrial designers.

Specialist fabricators possess the skills and knowledge necessary to provide advice and customer service.

● Public Building and Office

● Facades and Wall cladding

● Kitchen (Top and Sink Bowl for home)

● Bath (Wash Basin)

● Shops and Exhibitions

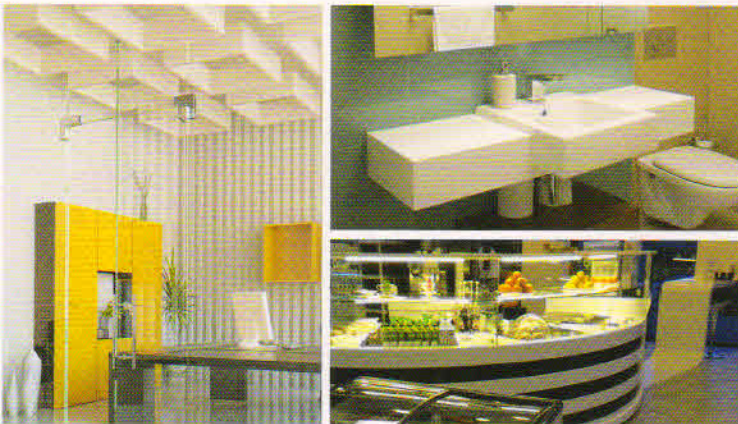
● Healthcare and Hospital

● Furniture

● Living Space

● Educational institutions

● Others (Hotel, Marine industry, Airport, etc.)



SINKS & BOWLS

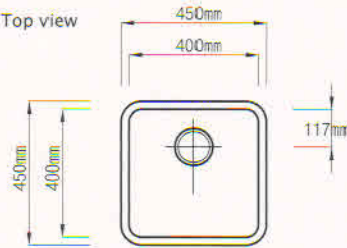
TriStone will make its position firmly in the world as a practical and solid surface sinks manufacturer by adding new technologies to our accumulated technology.

JK 104

L 450 x W 450 x D 225 mm



Top view



Side cross-section

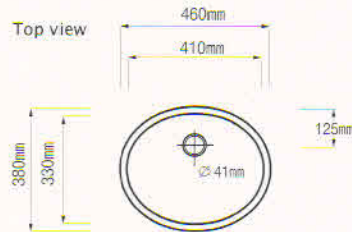


JK 302

L 460 x W 380 x D 170mm



Top view



Side cross-section

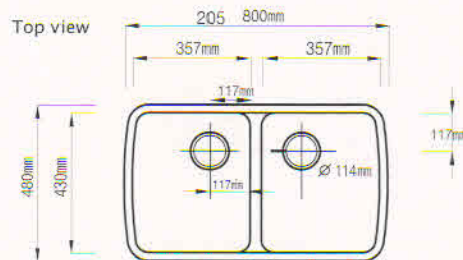


JK 201

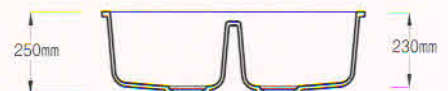
L 800 x W 480 x D 250 mm



Top view

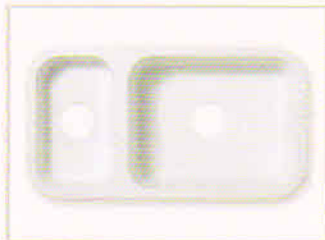


Side cross-section

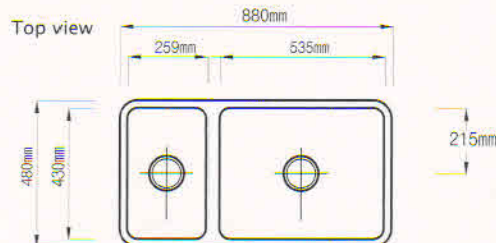


JK 202

L 880 x W 480 x D 210 mm



Top view



Side cross-section



※ Other new size can be produced with discussion



Soft Ivory A-101



Beige Cream A-102



Natural White A-103

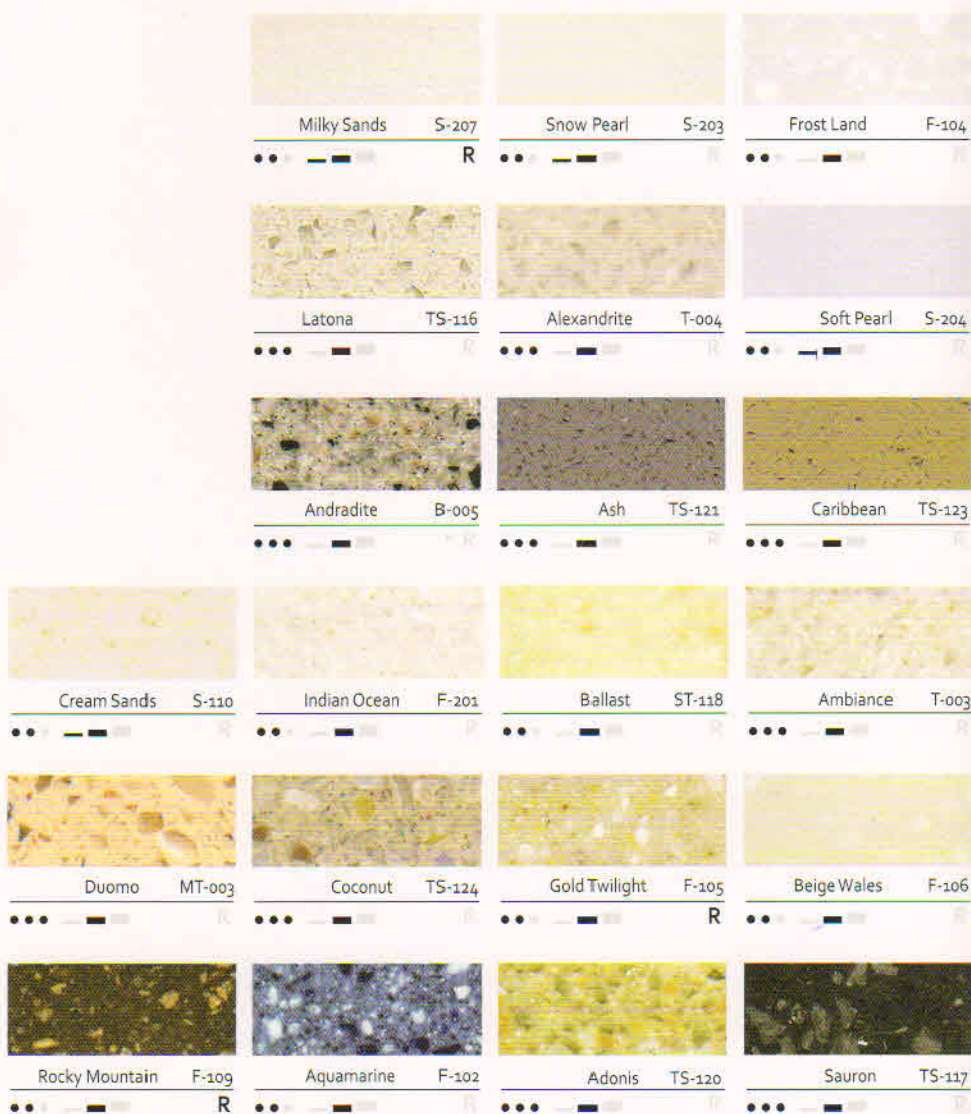


Pure White A-104

Solid Colors



Non-Solid Colors



Color series

- A series : Solid colors (normal, special & translucent)
- S series : Small chips
- ST series : Medium chips
- F series : Large chips
- T & B series : UP chips
- TS & M series : Transparent chips
- V series : Marbled colors

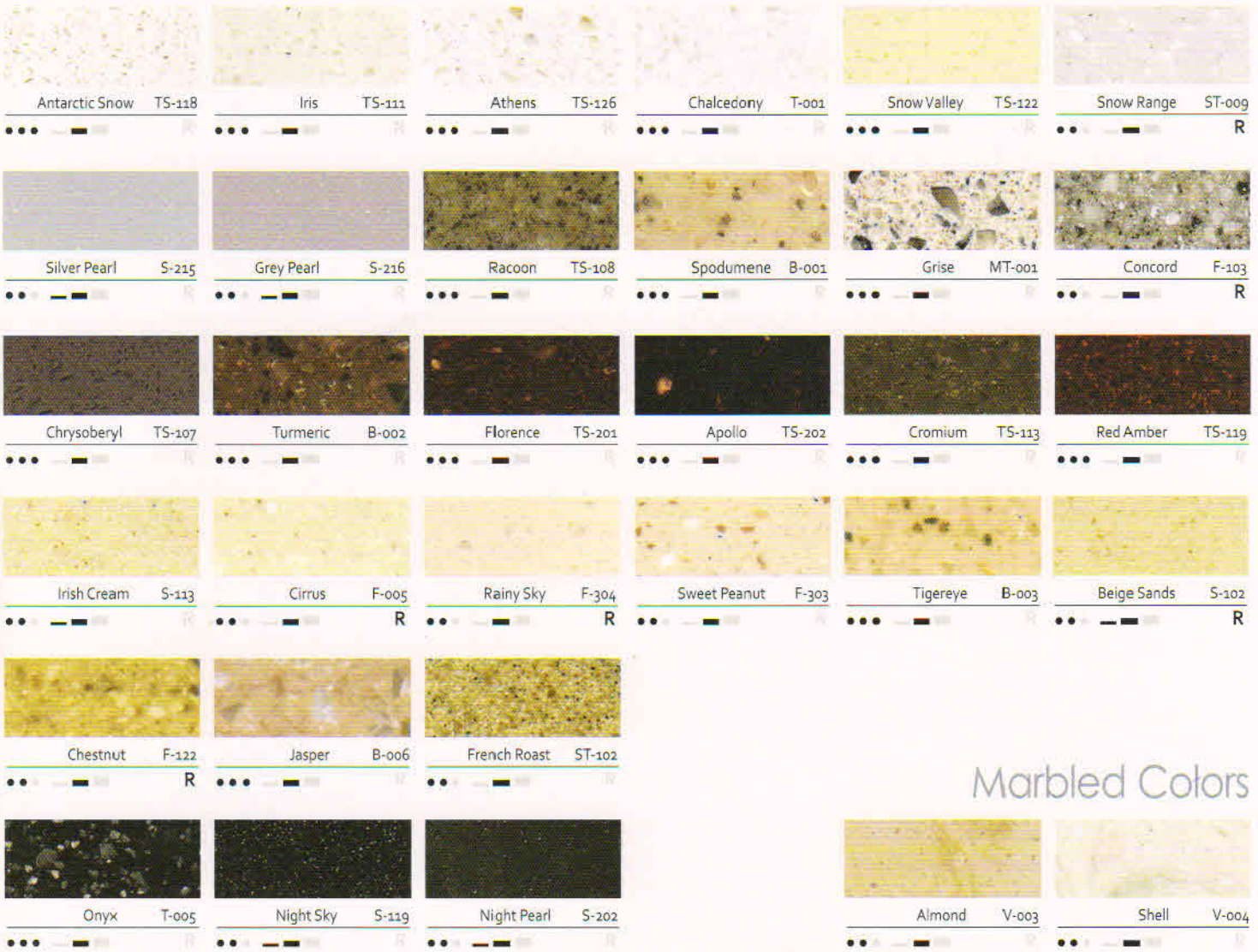
Thickness available

- 6mm
- 12mm
- 19mm

R : Recycle Colors

Translucent Solid Colors

TriStone



Marbled Colors

UV Resistance

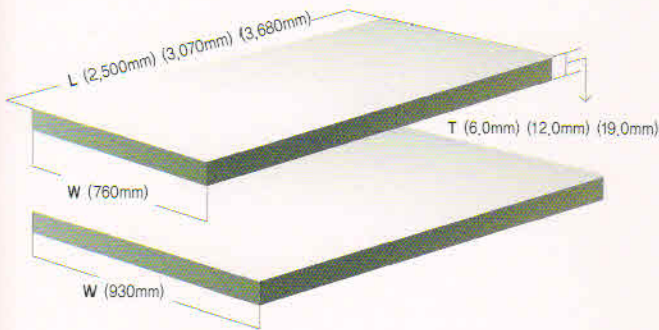
- Color change (Less than or equal to $\Delta E4$ value)
- Color change (Between $\Delta E4$ and $\Delta E10$ value)
- Color change (Over $\Delta E10$ value)

* Remarks : UV resistance has nothing to do with INDOOR USE

TRISTONE SPECIFICATION

□ Dimensions

Properties	Unit	Specification
Thickness	mm	6.0, 12.0, 19.0 ± 0.3
Length	mm	2500, 3070, 3680 / -6 ~ +13
Width	mm	760 ± 1.6, 930 ± 1.6
Warp	mm	Less than 1.6 (Width)
Corner angle	mm	Less than 3.2
Corner damage	mm	Less than 5.0



□ INSPECTION SHEET

ITEM	LION CHEMTECH	STANDARD APPLIED
Water absorption coef.	0.03% (24hrs) 1/2" Sheets	ASTM D570
Hardness Test	92 Rockell M scale	ASTM D785
Hardness Test	63 Barcol Impressor	ASTM D2583
Pencil hardness (HRM)	92	KS D 6711
Izod Impact Strength	.26 ft-lbs/in of notch	ASTM D256
Tensile Strength	6500 psi	ASTM D 638
Tensile Modulus	1.4x10 ⁶ psi	ASTM D-638
Ball Drop	>125" 1/2lb steel ball	NEMA LD-3
Flexural Strength	10000 psi	ASTM D 790
Flexural Elastic Modulus	1.30x10 ⁵	ASTM D 790
Elongation	0.73%	ASTM D638
Thermal expansion Coef. (°C)	3.5x10 ⁻⁵	ASTM D 696
Weatherability	no change - 1000 hours	ASTM D 1499
Gloss (60 gardner)		NEMA LD-3
Color Stability	No-change - 200 hrs	NEMA LD-3
Thermal resistance	No change	NEMA LD-3
Boiling Water Resistance	no change	NEMA LD-3
Stain Resistance	pass rating 41	ANSI Z 124
Food Zone acceptability	Accepted / Listed	NSF 51
Fungi and Bacteria	No Growth	ASTM G21
Specific Gravity Solid colors	1.74	
Specific Gravity other colors	1.69	
Wear & Cleanability	Pass	ANSI Z 124.3
Flammability	Class 1	UBC 8-1
- Flame Spread	0-25	ASTM E 84
- Smoke Density	<25	ASTM E 84
Radiant heat resistance	No Visual effect	

TRISTONE ADHESIVE



Cartridge
(50ml, 75ml, 250ml)



Tube 70g



Dipenser
(50ml, 75ml, 250ml)



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