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AN ASME-LIANHE ZAOBAO AWARD

新加坡金字品牌奖

Singapore
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Brand Award 13

Winner, SPBA - Established Brands

LUCRITE®
PREMIUM SOLID SURFACE

Co. Reg. No.: 199300876E

Manufacturer/Master Distributor for **LUCRITE** solid surfacing material

TECHINICAL SPECIFICATIONS

Product: LUCRITE® Premium Solid Surface

General Test - IAPMO PS18-66 Test Method: International Association Of Plumbing & Mechanical Officials (IAPMO) PS18 -66

Testing Body: TUV SUD PSB Singapore

No	Characteristics	IAPMO PS18-66 Requirements	Test Results	Test
1	Impact Resistance	Shall not show cracks	Passed	PS18-66
2	Barcol Hardness	min. 55 ~ 65	60	ASTM D2583
3	Cigarette Test	Shall not be more than 0.38mm gel removed	0.02	PS18-66
4	Compressive Properties: Compressive strength - mean (maximum)	NA	384Mpa	ISO 604-2002
5	Density - mean	NA	1.84g/cm ³	ASTM D792-93
6	Oven test for cracking or crazing	After oven test at 74 ± 2° C for 10 days, evidence of cracking or crazing should not be shown	Passed	PS18-66
7	Stain Resistance			
a	Coffee	No Effect	Shall be unaffected * Stain can be removed by dry or wet tissue paper	PS18-66
b	Washing Detergent	No Effect		
c	Acetone	No Effect		
d	Olive Oil	No Effect		
e	Lipstick	* Stain observed but was easily removed		
f	Fly Spray	No Effect		
g	6% Urea	No Effect		
h	Alcohol	No Effect		
i	Shoe Polish (paste form)	* Stain observed but was easily removed		
j	10% Household Ammonia Solution	No Effect		
k	Amy Acetate	No Effect		
l	Trisodium Phosphate	No Effect		
m	Bluing	* Stain observed but was easily removed		
8	Stain			
a	Tea	No Effect		
b	Ink Washable	No Effect		
c	1% Iodine	** Stain observed but was easily removed		
d	Vinegar	No Effect		

9	Tensile Properties a) Tensile strength -mean b) Elongation at break - mean c) Tensile modulus-mean	NA	38.8 Mpa 0.60% 10653 Mpa	ASTM D638:2014
10	Water Absorption, average a) % increase in weight, average b) % Soluble Matter Loss, average	Shall not absorb water in excess of 0.58% in 24hrs	0.04% 0.03% 0.01%	ASTM D570
11	Evaluation of Toxic Fumes	Index R to be less than 1 max when tested and assessed according to NF X 70-100 with R calculated in accordance with Annex B	R<0.3	BS 6853:1999 Annex B
12	Flammability Test	Fire Propagation BS476 Part 6 Spread of Fire BS476 Part 7	Class 1 Class 0	ASTM E84
13	Fungal Test	Test of growth of Fungal and bacterial	No Growth	ASTM G21-96
14	Bacteria Test	Test of growth of Fungal and bacterial	No Growth	ASTM G22-76
15	Weatherability Test	Performance Std for solid surface after 200hrs, req < 2 CIE	1.88 CIE	ANSI/ICPA-SS-1-2001

Data retrieve: Lucrite PSB test results 2000 to 2017
Updated Dec 2017