

Solid Surface Worktops

WT-SS-I HTM63 clinical worktops with covered integrated upstand
 WT-SS-P HTM63 clinical worktops with plant on upstand
 WT-SS-NC HTM63 clinical worktops with no upstand

Description

The Medspace solid surface worktops are designed to comply with the NHS HTM 63 Health Technical Memorandum and HBN 00-09. Solid surface worktops are useful where visible joints should be hidden and infection control is paramount.

Solid surface is also used for creating unique and creative shapes for Reception Desks and Nurse Bases.

Specification

The Medspace Solid Surface Worktops are typically 30 or 37mm thick and are constructed from an MDF core with a 12mm solid surface. Featuring a square profile to the long edge with an 8mm pencil round edge. Comes with 12mm 50mm integral solid surface upstand.

Chamfers, cable ports or other shapes can be cut as optional extras. We can also supply moulded, seamless sinks.

Standard Colours

KA1106 - Medspace White
 Other colours are available



Test Results

No.	Test Item	Standard Index	Test Result			Result
			Pure Acrylic	Composite Acrylic	Composite Acrylic	
1	Barcol hardness	≥ 58 (for PMMA)	65	62	63	pass
2	Load test	No damage max deviations ≤0.25mm after unloading	No damage, 0.14mm	No damage, 0.12mm	No damage, 0.12mm	pass
3	Impact toughness	≥4kJ/m²	4.4kJ/m²	4.0kJ/m²	4.1kJ/m²	pass
4	Point impact	No damage after 255g steel ball shall be dropped from a height of 610mm	No damage	No damage	No damage	pass
5	Colorfastness	Δ E ≤2 No peeling, crazing, blistering	Δ E=1.51	Δ E=1.62	Δ E=1.89	pass
6	Stain resistance	Total stain index ≤64, the depth of stain ≤ 0.12mm	Index 58, depth 0.08mm	Index 62, depth 0.10mm	Index 60, depth 0.10mm	pass
7	Resistance against the burn from a cigarette	No burn	No burn	No burn	No burn	pass
8	Oxygen index	≥35	36	39	38	pass
9	Chemical resistance	No obvious change in surface	No change	No change	No change	pass
10	High temp. resistance	No cracking, crazing, blistering, light color change can be restored by polishing to no more than 20IC units when compared to the control specimen	No change	No change	No change	pass
11	Water resistance	No cracking, crazing, blistering, light color change can be restored by polishing to no more than 20IC units when compared to the control specimen	No change	No change	No change	pass
12	Heat up. resistance	No cracking, crazing, blistering, light color change can be restored by polishing to no more than 20IC units when compared to the control specimen	No change	No change	No change	pass
13	Bending strength	≥40MPA	54.5MPA	51.3MPA	46.5MPA	pass
14	Bending Elastic Modulus	≥6500MPA	1.02*10 ⁴ MPA	1.14*10 ⁴ MPA	1.26*10 ⁴ MPA	pass
15	Appearance / Quality	COLOUR: Even and consistent, no obvious color difference	Even and consistent	Even and consistent	Even and consistent	pass
		EDGE: Straight and no damage	Straight and no damage	Straight and no damage	Straight and no damage	pass
		PATTERN: Distinct or agree with the supplier and the client	Clear	Clear	Clear	pass
		SURFACE: Smooth and flat, no scratch, cracking, crazing, blistering and other defect	No defect	No defect	No defect	pass
		SPLICE: Not obvious	No splice	No splice	No splice	pass
16	Dimension Tolerance	LENGTH: ±0.3%	0.07% - 0.27%	0.02% - 0.25%	0.11% - 0.27%	pass
		WIDTH: ±0.3%	0.09% - 0.29%	0.08 - 0.20%	0.17 - 0.24%	pass
		FLATNESS: ±0.3mm	0.11mm - 0.15mm	0.11mm - 0.14mm	0.02mm - 0.07mm	pass
		RECTANGULARITY: < 10mm	Max: 1.8mm	Max: 1.2mm	Max: 2.0mm	pass
		SURFACE FLATNESS: < 0.5mm	Max: 0.4mm	Max: 0.2mm	Max: 0.3mm	pass
		STRAIGHTNESS OF SIDES: < 1.5mm/m	Max: 0.3mm/m	Max: 0.3mm/m	Max: 0.4mm/m	pass
		17	Water absorption	-	0.04%	0.04%
18	Bulk Density	-	1.71g/cm³	1.82g/cm³	1.89g/cm³	pass
20	Specular Gloss	-	42	44	46	pass
21	Linear Thermal Expansion	-	9.77*10 ⁻⁵ C ⁻¹	5.62*10 ⁻⁵ C ⁻¹	5.63*10 ⁻⁵ C ⁻¹	pass
22	Compression Strength	-	112Mpa	119Mpa	116Mpa	pass
23	Aluminium Hydroxide Content	-	58.80%	64.10%	70.20%	pass

No. 1-16 items in accordance with JC 908-2002
 No.17-18 tests in accordance with GB/T1462-2005, GB1463-2005;
 No.19-20 tests in accordance with SN/T 0308-93;
 No.21 tests in accordance with GB/T17657-1995 Load: 500g, 500t, emery cloth (120#);

