

HI-MACS® TECHNICAL DATA

SHEET SPECIFICATION

Sheet thickness in mm (tolerance ± 0.4mm)	Sheet width in mm (tolerance +10mm)	Sheet length in mm (tolerance +10mm)
6	760	2,490
6	910	2,490
20	760	3,680
12	910	3,680
12	1,350	3,680
12	1,520	3,680
12	760	3,680

Weight/m2	Thickness	Solids result	Unit	Granite Result	Unit
	6mm	0.52	kg	0.49	kg
	12mm	2.07	kg	0.49	kg
	20mm	3.32	kg		

Weight sheets	Thickness	Width/Length	m2 Sheet	Kg/Sheet
HI-MACS®	6mm	760/2,490	1.9	20-21
	12mm	760/3,680	2.8	57-61
	20mm	760/3,680	2.8	95-105

STAIN RESISTANCE

according to DIN 68861 & KIN 68930 Tab. 1

Test material	Assessment	Assessment
G25 defects	S06 defects	
Acetic acid (vinegar)	no effect	no effect
Citric acid (lemon)	no effect	no effect
Sodium carbonate	no effect	no effect
Ammoniac water	no effect	no effect
Ethyl alcohol	no effect	no effect
White/Red/South wine	no effect	no effect
Beer	no effect	no effect
Cola-drinks	no effect	no effect
Instant coffee	no effect	no effect
Black tea	no effect	no effect
Blackcurrant juice	no effect	no effect
Cream	no effect	no effect
Water	no effect	no effect
Benzene	no effect	no effect
Acetone	3	3
Ethyl-butyl acetate	3	3
Butter	no effect	no effect
Olive oil	no effect	no effect
Mustard	no effect	no effect
Salt	no effect	no effect
Onion	no effect	no effect
Lipstick	no effect	no effect
Disinfectant	no effect	no effect
Black ballpoint	2	2-3
Stamping ink	1	1
Household cleaner	no effect	no effect
Cleaning agent	no effect	no effect
Use group according to DIN 68861	1B	1B
Assessment according to DIN 68930 Tab.1		
Other work top spaces:		Fulfill of requirements+
Use group : 1C		

FEATURES

- Wide range of color and pattern choices
- Stain and chemical resistance
- Non-porous structure
- Effortless fabrication and seamless installation

APPLICATIONS

- Kitchen tops
- Wall decorations
- Office desks
- Vanity tops
- Working tables
- Commercial interiors

SPECIFICATION DATA SHEET

Specification	Unit	Result	Test method
		Solid	Granite
Density	Newton/Metre	1.032	0.983
Specific gravity	-	1.75	1.75
Thermal expansion	m / m / °C	35.0X10 ⁶	35.0X10 ⁶
Expansion	mm	<0.05	<0.05
Tensile strength	kg / cm	390	390
Flexural strength	kg / cm	790	790
Hardness rockwell	-	90	88
Barcol	-	63	61
Pencil	H	5	5
Izod impact notched strength (ball drop)	kgXcm / cm	1.032	0.983
	6mm	-	1.75
	12mm	mm	<1,400
(with impact test apparatus)	12mm	N	25
Water absorption	6mm	%, 23°C	0.05
	12mm	24hrs	0.04
Slip resistance	Wet Pendulum	Slip Resistance	10
		Value	
		Classification	P0
	Oil-wet inclining platform	Acceptance Angle	3°
		Classification	None
Heat distortion	°C	95-105	95-105
temperature			
Dry heat (pan bottom)	°C	≤100	≤100
Wet heat (pan bottom)	°C	7A	7A
Cigarette burn resistance	-	6C	6B
Chemical impact	-	1B	1B
Scratch resistance	-	4D	4B
Stain recovery	%	98	98
Electrostatic	>1X1012Ω	insulating	insulating
Weather resistance	ΔE	no change	no change
	(1,000hrs)	-	-
Xenon (light resistance)	-	better than 6	better than 6
Hygienic	-	suitable	suitable
Food contact	-	suitable	suitable
Fire resistance	Group No.	3	3

CERTIFICATIONS



GREENGUARD certification identifies interior products and materials that have low chemical emissions, improving the quality of the air in which the products are used. The GREENGUARD Gold standard includes health based criteria for additional chemicals and also requires lower total VOC emissions levels to ensure that products are acceptable for use in environments such as schools and healthcare facilities.



NSF (National Sanitation Foundation) certification identifies food, water and consumer products that meet strict standards for public health protection.

WARRANTY & SERVICES

All HI-MACS® products are carefully manufactured to ISO 9001 quality standards and backed by a full technical service support team. A limited 15 year installed warranty applies to all HI-MACS structures provided they have been fabricated and installed by an authorized fabricator and correctly maintained according to recommended guidelines