



Technical Data Sheet: 3cm Plus

MARS Quartz 3cm Plus
Slab Size: 130" x 65"

Physical-Chemical Properties	Test Standard	UD	Values
Apparent Density	UNE-EN-14617-1	Kg/m ³	2.138
Water Absorption	UNE-EN-14617-1	%	0.05 W ₄
Breaking Strength	UNE-EN-14617-2	MPa	78.9 F ₉
Impact Resistance	UNE-EN-14617-9	Cm/J	121/≥11.9
Abrasion Resistance	UNE-EN-14617-4	Mm	27.5 A ₄
Stain Resistance	ANSI Z-124.6		Unaffected
Thermal Shock Resistance	UNE-EN-14617-6	% Change in dynamic elastic mod.	-8.2
		% Change in mass	-0.02
Thermal Conductivity	UNE-EN-12524	W/m-K	1.3
Thermal Expansion Coefficient	UNE-EN-14617-11	°C ⁻¹	45.5 10 ⁻⁶
Slip Resistance	UNE-EN-146231	PSRV Dry	49
		PSRV Wet	10
Chemical Resistance	ASTM 650-04		Unaffected by chemicals
UV Resistance			
Fire Performance	AS 1530.3:1999	Ignitability Index (0-20)	6-8
		Spread of Flame Index (0-10)	0-3
		Heat Developed Index (0-10)	2-3
		Smoke Developed Index (0-10)	6-7



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Product Composition

MARS® Quartz is manufactured with up to 90 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness

Basic Limitations

MARS® Quartz is designed for interior use only, ideal for residential and commercial applications. MARS Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

All stone surfaces, including quartz made from natural quartz crystals, is not chip proof. Objects hitting edges especially in areas like around the sink or appliances may cause chipping. The surfaces can also be damaged by a sudden change in temperature and may not withstand the direct transfer of heat from pots and pans or other heat-producing items. Please use trivets or boards to protect your surfaces before setting any hot items down on the surface.

Cleaning Guidelines

Cleaning MARS Quartz is easy! Use a soft, non-abrasive cotton cloth and warm water. If needed, a mild, all-purpose soap can be used for larger messes. Do not use any physical or chemical abrasives like scrubbing pads or bleach.