

OKITE[®] Quartz Surfacing Technical Manual



ITALIAN QUARTZ SURFACING



What is OKITE®

OKITE® is a natural quartz surfacing material. Highly stain and scratch resistant, OKITE® is the ideal product for kitchen and bath applications. This beautiful and durable non-porous material is easy to clean and never needs sealing or polishing – a distinctive advantage over granite, marble, limestone or soapstone, which all require routine maintenance. Available in an array of colors, OKITE® is the product of choice for nearly all environments, including residential, commercial, hospitality and healthcare projects.

Composition & Applications

OKITE® is composed mainly by natural quartz crystals. OKITE's patented manufacturing process creates a product that is harder, non-porous and easier to maintain compared to other products such as: natural stone (granite, marble, soapstone, limestone), solid surfacing, stainless steel and concrete/glass based surfacing. Applications of OKITE® include:

- shower and tub surrounds
- bathroom vanity tops,
- writing desks,
- table tops,
- partition wall,
- shower walls,
- wall cladding
- windowsill
- fireplace mantles and surroundings
- food service areas
- wainscots and wall bases
- elevator cab walls

Antibacterial properties

OKITE® Quartz Surfacing has been certified by NSF as an antibacterial product. Differently than other surfacing products, OKITE® does not need any sort of chemical agent, during the manufacturing process or during its lifetime, to keep its antibacterial properties.



OKITE Unique Colors

OKITE® is available in an array of colors and patterns, including granite look like colors, solid colors and marble look like colors. OKITE® color palette features the exclusive “Collezione Venati” with the industry’s first and unique “veined” quartz surfacing. “Collezione Venati” delivers the beauty of natural marble with the extraordinary benefits that make OKITE® the product of choice for quartz surfaces.

World’s Whitest Stone

OKITE® also features the exclusive “1665 – Bianco Assoluto”, by many Architects & Designer Professionals defined as the whitest stone available in the industry. Free samples are available to any Design Professional.

Samples Requests

We provide samples to Architects and Design Professionals in 4”x 4”, 10”x 10” or 12” x 12” for your review. If received by NOON E.S.T., sample requests are usually filled the same day. Samples not in stock will take approximately 3-4 days to fabricate. Our standard delivery is Ground at no cost to you. If you require overnight shipping, please let us know and we’ll ship your samples accordingly. Samples for Project Approval will be released to contractors after an order has been received.

Special Size Samples

If you need a sample in a size different from the above please let us know. Allow one week for these special requests.

Binders Requests

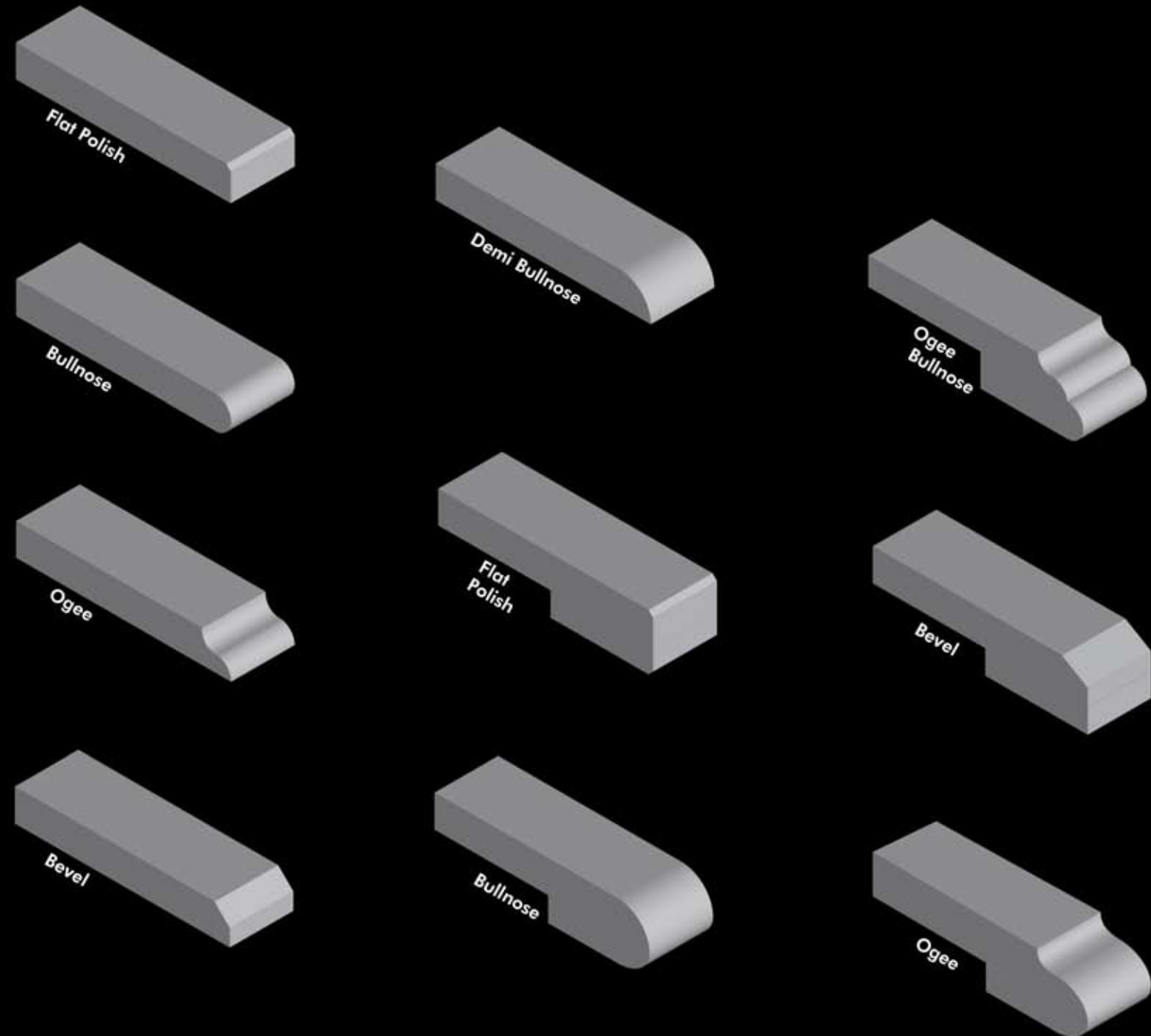
Our Product Binders have been designed to serve as an organized reference guide. Each binder contains 2” x 2” and 2” x 4” samples. Binders Requests will take approximately 5-8 days for shipping. Our standard delivery is Ground at no cost to you.



IN THE PICTURE ABOVE: OKITE 1665 BIANCO ASSOLUTO, THE WORLD'S WHITEST STONE

Finishes & Edges

OKITE® Quartz Surfacing comes with a standard polish finish. Honed finish (which will require more maintenance) is also available as special order. Edge finishes available for OKITE® Quartz Surfacing are the same available for natural granite (eased edge, bullnose, half bullnose, ogee, ogee bullnose, etc.).



IN THE PICTURE ABOVE: OKITE 1665 BIANCO ASSOLUTO, THE WORLD'S WHITEST STONE



IN THE PICTURE ABOVE OKITE 1929 GIALLO MICHELANGELO

Dimensions & Thicknesses

OKITE® is manufactured into large slabs measuring 120" x 55" (45.83 SF per slab) in the thickness of ¾" (20 mm) and 1 ¼" (30 mm). OKITE® slabs are also available, as special order, in ½" (13 mm) thickness.

Weight of OKITE®:

½" (13 mm) slab : 301 lbs. (136.5 kg) equal to 6.57 Lb/SF (31.85 kg/Square Meter)

¾" (20 mm) slab : 463 lbs. (210 kg.) equal to 10.10 Lb/SF (49 kg/Square Meter)

1" ¼ (30 mm) slab : 695 lbs. (315 kg.) equal to 15.15 Lb/SF (73.5 kg/Square Meter)

Color Consistency

OKITE® Quartz Surfacing provides excellent color consistency between slabs from the same lot number. As any other quartz surfacing product, slabs from different lot numbers may have a slight difference in color shade. Natural stones (granite, marble, limestone, soapstone) present color inconsistency even within the same batch and certainly from slab to slab.

Limitations of OKITE®

As any other quartz surfacing product, OKITE® must be used only for indoor applications and avoid any direct and prolonged contact with heat. When OKITE® is used a counter, always use an inexpensive hot pad to avoid contact with heat sources.

As any other quartz surfacing product, OKITE® is recommended for indoor applications only.

As any other quartz surfacing product, contact with products containing Trichloroethylene or methylene chloride (acetone, paint removers, etc), abrasives, alkaline levels higher than 8 pH, hydrofluoric acid, liquid bluing, Bleach, Caustic Soda, Hydrofluoric Acid, Dichloromethane, Painting solvent and aggressive cleaning products (such as oven or grill cleaners) compromise its surface color, but does not affect its strength. In the event of accidental exposure to these products, thoroughly clean and rinse the surface with clean water as it happens.

As any other quartz surfacing product, intense heat and prolonged exposure to hot pots or flames can cause thermal shock, discoloration, or other damage. No damages have been experienced with brief exposures to moderately hot temperatures (up to 300°F (149°C)). In any case, the use of inexpensive hot pads is always recommended.

Certifications

OKITE® is certified by GreenGuard Environmental Institute under the “GREENGUARD Standard for Low Emitting Products” and under the “GREENGUARD for Children & Schools product certification programSM”, which means OKITE® does not emit any gas or VOC (Volatile Organic Compounds). As result, OKITE® is a much safer than any other surfacing product. OKITE® is also certified by NSF for comply with NSF/ANSI 51. As result, OKITE® does not support the growth of mold, mildew and bacteria on its surface.

OKITE® Test Results

Symbol	Characteristics	Unit of Measurement	Value	Thickness	Standards Employed
	Density	kg/mc	2283.0	5x5x1 cm	EN 14617-1
	Water Absorption	%	0.03	5x5x1 cm	EN 14617-1
	Bending Strength	Mpa	48	6x5x1 cm	EN 14617-2
	Flexural Strength	N	3371	6x5x1 cm	EN 14617-2
	Compression Strength	N/mm ²	159	7x7x1 cm	EN 14617-15
	Deep Abrasive Strength	mm	26.6	15x15x1 cm	EN 14617-4
	Surface Hardness	MOHS	6	20x20x1 cm	UNI EN 101
	Linear Thermal Expansion Coefficiency	10 ⁻⁶ °C ⁻¹	27.4	2.5x0.5x0.5 cm	EN 14617-11
	Dimensional Stability	mm	0	30x30x1 cm	EN 14617-12
	Resistance to Slipperiness	SRV Asciumta	68	20x20x1 cm	EN 14231
		SRV Bagnata	16	20x20x1 cm	
	Impact Strength	Joule	1.9	20x20x1 cm	EN 14617-9
	Fire Resistance	Class	1		
	Frost Resistance	KM _{f25}	1.1	6x5x1 cm	EN 14617-5
	Chemical Resistance	Class	C4	7x7x1 cm	EN 14617-10
	Thermal Shock Resistance	Damage Suffered	None	2cm	UNI EN 104
	Colour Resistance to Light	Notable Variation of colour	Slight		DIN 510994
	Slipperiness Rubber on Dry Surface Rubber on Wet Surface Leather on Dry Surface (Honed Surface)	μ μ μ	0.88 0.41 0.45	30x30x2 cm	B C R
	Emission of lead (Pb) and cadmium (Cd)		0		

INDICATIVE AVERAGE VALUES

Comparison Chart between surfacing materials

	OKITE QUARTZ SURFACING	GRANITE	MARBLE	CONCRETE & RECYCLED GLASS	SOLID SURFACE
Stain Resistance	Yes	No	No	No	Yes
Need of sealing and regular maintenance	No	Yes	Yes	Yes	No
Natural Appearance	Yes	Yes	Yes	No	No
Different Textures	Yes	No	No	No	No
Absolute White Color	Yes	No	No	No	Possibly
GreenGuard Compliance	Yes	N/A	N/A	Possibly	Possibly
LEED Points	Yes	N/A	N/A	Possibly	Possibly
Safe in Healthcare	Yes	No	No	No	Yes
Antibacterial	Yes	No	No	No	Yes
Color Consistency	Yes	No	No	Yes	Yes
Scratch Resistance	Yes	Yes	No	No	No
NSF Certified	Yes	No	No	Possibly	Yes
10 Year Warranty	Yes	No	No	Possibly	Yes
Custom Color	Yes	No	No	Possibly	Possibly

(*) Retail price for countertop application. Prices may vary depending on color, thickness, edge option, material waste, installation, etc.

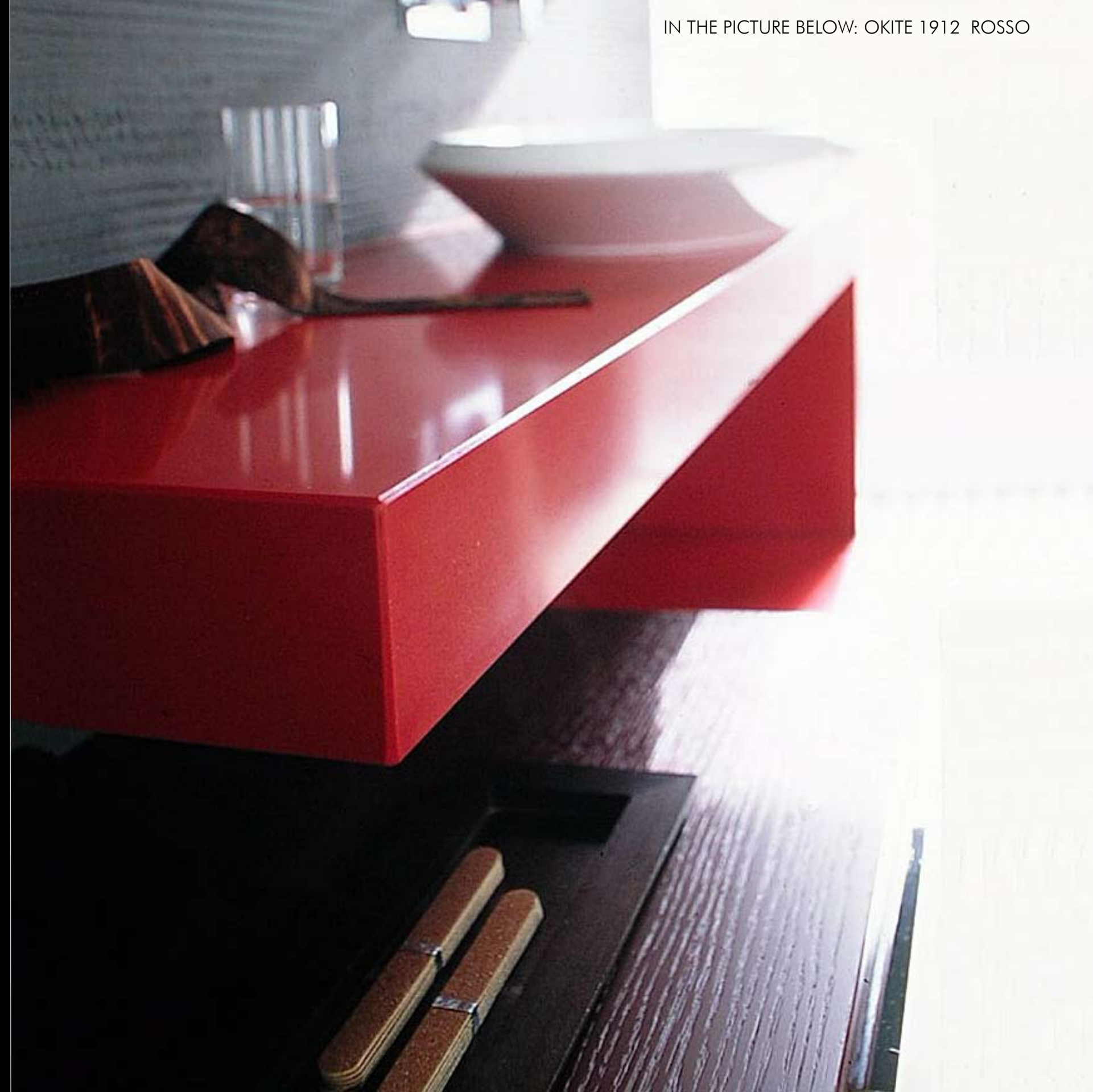


Overhang & Support

As a general rule, no support is required for overhangs of OKITE® extending up to 12" (300mm) in 3/4" (20mm) material or up to 16" (300mm) in 1" 1/4 (30mm) material. Brackets with intervals of 25" are required for all overhangs from 12" to 20" (3/4" material) and from 16" to 24" (1" 1/4 material). Additional support (such as: legs, columns or panels) are required for overhangs over 20" (3/4") and over 24" (1" 1/4 material). We also recommend that any seam is positioned over the cabinet rather than in the overhang.

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Il prodotto è il miglior risultato allo stato attuale della conoscenza tecnico scientifica.

Le caratteristiche fisico-meccaniche sono da ritenersi puramente indicative.

E' fatta salva ogni ulteriore conoscenza tecnico scientifica che dovesse essere acquisita in futuro e che verrà applicata al ns. prodotto per migliorarne efficienza e qualità.



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