

PRODUCT INFORMATION

ALKE SOLID SURFACE WASHBASIN COUNTERTOPS AND FINISHING TOPS

COMPOSITION

The ALKE Solid Surface material is an acrylate-based plastic. Other components, namely high-grade minerals, are added to the acrylate, lending the ALKE Solid Surface material a number of remarkable features on top of its luxury feel, including:

- ALKE Solid Surface is a solid, non-porous and thus waterproof material with through-and-through colour and pattern. It cannot break down into layers;
- ALKE Solid Surface is extremely hygienic, weatherproof and water and dirt repellent, antistatic, with liquids beading off the surface;
- ALKE Solid Surface is easy to clean and maintain. Household cleaners (such as Chemico) can be used without problems. 'Accidents' such as a knife nicks, scratches or a cigarette's stain can usually be removed with VIM, Scotch-Brite or possibly with sandpaper;
- ALKE Solid Surface is resistant to most household chemicals, disinfectants etc;
- It is possible to make robust connections with special ALKE Solid Surface adhesive. Large surfaces can be created with virtually invisible seams, giving dirt absolutely no chance to stick anywhere;
- ALKE Solid Surface is extremely durable, with high impact resistance, and it can withstand very rough treatment. Great resistance to wear;
- The mineral filler guarantees unprecedented hardness and a very long service life;
- ALKE Solid Surface is self extinguishing, and non-flammable. No material deformation when exposed to temperatures up to 70°C.

MAINTENANCE TIPS

- Clean your countertop daily with a damp cloth and the usual soft detergents. You should remove dirt and stains immediately;
- The best way to remove limescale deposits on the countertop and around the tap is to use a vinegar-based cleaner or a descaler in accordance with the instructions on the packaging.
- Never use aggressive cleaners such as CIF, chlorine, oven cleaners or drain unblockers;
- Stubborn stains and stuck-on residues can be removed using the ALKE Solid Surface maintenance kit or a scouring pad and abrasive cleaner (Chemico);
- Treat the surface regularly with a scouring pad and an abrasive cleaner (Chemico), as this preserves the material original gloss, even after prolonged use;
- Even though ALKE Solid Surface can withstand the usual "soft" household cleaners well, aggressive substances should be washed off as soon as they come in contact with the surface;
- Never use aggressive detergents such as paint strippers, chlorine, brush cleaners, metal cleaners, oven cleaners or drain unblockers;
- Heavy objects such as beer crates and shopping crates can cause scratches if pushed on the surface;
- Never stand or sit on the countertop;

- Traces of use or scratches on the surface can be removed using an abrasive cleaner (Chemico) or a scouring pad (Scotch Brite). In this case, in order to avoid variations in the gloss or shades, it is recommended to treat the entire surface. In case of more important damage or the occurrence of cracks, it is possible to repair the surface with a filler, without leaving any traces. This must be done by trained personnel, however.

How do you cut out ALKE Solid Surface material?

Solid Surface can be worked like wood. This means that simple tools such as a wood drill and/or a tilting saw fitted with an iron saw blade can be used to make a cutout in this material.

NOTE

- Each ALKE Solid Surface countertop may exhibit colour differences compared to the samples or showroom countertops; this is inherent to the material and production process and cannot constitute grounds for complaint;
- Remove adhesive and sealant residues which may have been left on your countertop or back wall during installation. Use turpentine or acetone for that purpose and clean the countertop with water immediately after.
- In the case of cured resin residues and cement veil, thorough and repeated cleaning is necessary. Use a scouring pad and an abrasive cleaner (Chemico™) for this purpose;
- Only qualified service personnel should be allowed to repair or adjust the countertop.

Solid Surface countertops with type 1, 2, 4 and 5 integrated washbasins are not fitted with an overflow. Consequently, it is preferable to use a non-closable drain plug without overflow (available from sanitary ware shops) or the overflow system of the XXAK 177 type available from ALKE. The latter should be combined with the space-saving type XXAK 134 siphon. Solid Surface washbasin countertops fitted with a type 3 washbasin feature an invisible integrated overflow system. This allows the use of a closable drain plug with overflow (e.g. push-up type - available from the sanitary ware shop). Solid Surface countertops with "Monochrome" type washbasin are fitted with a non-closable drain plug as standard.



TEST RESULTS SOLID SURFACE

PHYSICAL PROPERTY				
	Testmethod	Unit	Value	Solid surface
Weatherability	ASTM G53	-	No change	No change
density	ASTM D-792	-	1,7	1,8
water absorption	ASTM D-570 (13mm, 24 uur)	%	0,05	0,02
tensile strenght	ASTM D-638	kg/cm ²	270	340

THERMAL PROPERTY				
Thermal expansion	ASTM D-696	1/OC	3,4 x 10 ⁻⁴	1,6 x 10 ⁻⁵
High temperature resistance	NEMA LD 3-3.6	-	No change	No change
Boiling water resistance	NEMA LD 3-3.5	-	No change	No change
Cigarette burn resistance	30 seconden	-	#600 S/Paper	#600 S/Paper

MECHANICAL PROPERTY				
Tensile Elongation	ASTM D-638	%	0,5 ↓	0,5
Flexural Strength	ASTM D-790	kg/cm ²	500	483
Flexural Modulus	ASTM D-790	kg/cm ²	10 x 104	-
Izod Impact Strength (Notch Type)	ASTM D-256	kg.cm	1,5	-
Failing Steel Sphere Impact Strength	JIS K-6718 (200g)	M	1,5	1,8
Pencil Hardness		-	6H	6H
Barcol Hardy (Rock-well Hardness)	ASTM D-2583	-	60 -90	60 -88
Abrasion Resistance	JIS K-6902 500g, 500Cycle S-33 S/Paper	G	0,55	0,15 ASTM D-4060

CHEMICAL RESISTANCE				
Ethyl Alcohol	NEMA LD3-3.4	-	No change	No change
Acetone	NEMA LD3-3.4	-	No change	No change
Toluene	NEMA LD3-3.4	-	No change	No change
Sodium Hydroxide	NEMA LD3-3.4	-	No change	No change
Sulfuric Acid	NEMA LD3-3.4	-	No change	No change
Acetic Acid	NEMA LD3-3.4	-	No change	No change

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Coffee	NEMA LD3-3.4	-	No change	No change
Tea	NEMA LD3-3.4	-	No change	No change
Milk	NEMA LD3-3.4	-	No change	No change
Soy	NEMA LD3-3.4	-	No change	No change
Olive Oil	NEMA LD3-3.4	-	No change	No change
Ketchup	NEMA LD3-3.4	-	No change	No change
Grape Juice	NEMA LD3-3.4	-	No change	No change
Vinegar	NEMA LD3-3.4	-	No change	No change