Solid Surface Vanity Tops

Technical Data Sheet

Product description

KORTE Solid Surface Vanity Tops are custom-made bathroom countertops with integrated or optional basins, manufactured from premium solid surface materials. The products are designed for residential and commercial bathrooms where durability, hygiene and seamless aesthetics are required.

Each unit is manufactured according to the customer's specification generated by the product configurator.

Materials

Surface material

Solid surface composite consisting of:

- Acrylic polymer (PMMA)
- Natural minerals (Alumina Trihydrate – ATH)

Materials used:

- Corian®
- Staron®
- Meganite®

Available in 26 selected colours from the above manufacturers.

Structural backing

For structural stability, the countertop is reinforced with:

- 15 mm water-resistant birch plywood
- Melamine or phenolic coated surface

Backing is applied over most of the underside of the product except areas required for tap installation.

Surface finish

Standard finish:

Satin finish – 600 grit dry sanding

Characteristics:

- Uniform satin sheen
- Smooth non-porous surface
- Pleasant tactile feel

Construction

Base material thickness:

12 mm solid surface

Available visual edge thickness:

- 12 mm
- 30 mm
- 100 mm
- 150 mm
- 200 mm

Thicker edges are created using laminated construction with structural backing.

Sink options

KORTE vanity tops can be supplied with the following sink configurations:

- **IN** - Integrated sink bonded seamlessly into the countertop.
- **TOP** - Bowl-type sink placed on the surface with 12 mm wall thickness. *(Overflow is not available for this sink type.)*
- **ON** - Bowl-type sink placed on the surface with an additional external vertical wall. *(Overflow is not available for this sink type.)*
- **No sink** - Countertop supplied without sink opening, suitable for customer cut-out or installation above appliances or cabinetry.

All sinks are manufactured from the same solid surface material and colour as the countertop.

Dimensions

Products are fully custom-made within the following limits:

Maximum length
2200 mm

Maximum width
700 mm

All detailed dimensions are defined in the order specification generated by the configurator.

Weight

Approximate structural weight:

32–38 kg/m²

Based on:

- 12 mm solid surface
- 15 mm plywood reinforcement
- adhesive bonding

Actual weight depends on configuration and sink design.

Material joints

Solid surface components are bonded using:

Colour-matched two-component adhesive
from the material manufacturer.

After finishing, joints are visually seamless.

Hygiene and moisture resistance

Solid surface material provides:

- Non-porous and hygienic surface
- Resistance to moisture and common bathroom chemicals
- Suitability for wet environments
- Surface that does not support growth of mold or bacteria when properly maintained

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Repairability and renewability

Minor scratches, stains or marks can be removed by sanding.

The surface can be renewed multiple times during the product lifetime using fine abrasive sanding to restore the satin finish.

Temperature resistance

Continuous service temperature:

- up to 70 °C

Short-term exposure:

- up to 100 °C

Direct contact with very hot objects should be avoided.

Installation options

Vanity tops may be installed:

- on furniture or vanity cabinets
- between walls
- wall-mounted using metal brackets

Support spacing and positions must follow the installation guide supplied with the product.

Standards and compliance

Products manufactured from Corian® and other solid surface materials comply with:

- EN 14688 – Sanitary appliances, washbasins
- EN 31 + A1 – Fixing dimensions for wall-hung washbasins
- EN 274-1 – Waste fittings for sanitary appliances

See quality standard

Fire performance:

According to the specification of the solid surface material manufacturer.

Dimensional tolerances

Unless otherwise specified in the order drawing:

- Length tolerance ±2 mm

Surface curvature:

- up to 1000 mm: ±2 mm
- up to 3000 mm: ±3 mm

Opening diameters (tap, drain etc.):

- ±1 mm

See quality standard

Quality control

Visual inspection is carried out:

- at approximately 60 cm viewing distance
- under normal interior lighting conditions

Surface must be free from visible defects in normal viewing conditions.

See quality standard

Environmental characteristics

- Long service life material
- Repairable and renewable surface
- Low material waste due to custom manufacturing
- Material components may be recyclable according to local regulations

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Warranty

36-month limited warranty against manufacturing defects from the date of delivery.

Warranty covers defects in materials and workmanship under normal residential use.

Damage caused by improper installation, misuse, impact or incorrect maintenance is not covered.
