

# SM Quartz<sup>®</sup>

## Criteria for Metropolis and Wave slabs

### Thickness

| Nominal Thickness | Tolerances                                      |
|-------------------|---|
| 22 mm             | not less than 20.5 mm and not more than 24.0 mm |

The thickness shall result from an analysis which takes into account the whole size of the slab. The nominal thickness shall be the average result of 3 measurements taken at 50, 150 and 250 cm on the long edge of the slab.

Due to their special production process, these materials might present visible thickness variations within the slab

### Dimensions

For slabs 3050 x 1400 mm

| Dimension | Minimum dimension     |
|-----------|-----------------------|
| Length    | not less than 3050 mm |
| Width     | not less than 1400 mm |

For slabs 3200 x 1550 mm

| Dimension | Minimum dimension     |
|-----------|-----------------------|
| Length    | not less than 3200 mm |
| Width     | not less than 1550 mm |

### Requirements for unexposed surface

The calibrated unexposed surface shall have a regular appearance.

The roughness shall not exceed 0,5 mm. Small cracks or cuts are permitted within 10 cm from the sides of the slabs.

## Requirements for finished surface

Both texture and surface colour of METROPOLIS slabs are not homogeneous: this is a typical characteristic of these products and it may vary from slab to slab.

The slabs must not have the following defects:

- No foreign materials (materials that are not part of the formula, i.e. rubber, metal, wood, etc.)
- Stains that are obviously dissimilar to the rest of the surface.

## Colour variation and structure

The texture and the colour distribution of METROPOLIS slabs are deliberately not homogeneous: any variation of these characteristics is typical of these materials.

The wavy surface of WAVE slabs recalls natural slate surface, and this, due to the unflat surface, can give a feeling of colour dissimilarity. Such characteristic shall be considered typical of these products.

Despite the strict procedures put in place to ensure color reproducibility over the time, small variations are possible and therefore before processing or installation a visual inspection is highly recommended.

The quartz used is a natural raw material and even if carefully selected, time to time may show slight differences in colour and transparency.

Santa Margherita S.p.A. will not honour any claim of colour and texture variation once tiles have been installed or slabs have been cut or modified from their original condition in anyway.

# SM Quartz®

## Instructions for cleaning and Maintenance of countertops

Honed, Brushed, Wave and Metropolis finishes

### Post-fabrication cleaning

Once the slabs have been fabricated, remove any residue with water and a clean cloth. Thoroughly dry the surface.

Deep clean the surface by spraying an acidic or slightly alkaline pH detergent specifically designed for quartz based engineered stones, and consistently spread it with a nonabrasive sponge. Allow the detergent to work for 5 minutes, then thoroughly rinse with water until the detergent has been completely removed. Remove the excess water with a cloth and allow to dry.

If the surface is dull or shows dull areas after this process, rinse again and allow to dry. If the surface still shows dirt or dull areas, repeat the whole deep cleaning process.

Quartz surfaces containing mother of pearl chips should not be cleaned with acidic detergents that will damage the mother of pearl.

### Protective treatments

The technical features of the products of the Metropolis and Wave series and of those with a brushed or honed finish are the same as those of materials with a polished finish and therefore they are acid and scratch resistant with virtually no absorption of liquids.

All SM Quartz® slabs leave the factory without any kind of protective surface treatment.

Due to greater surface roughness, textured surfaces can be treated with products specifically for quartz agglomerate, which protect it against oily and aqueous stains and make cleaning easier. Neutral protective treatments are available on the market, which leave the original colour unaltered, as well as toners that enhance it.

If the counter is intended for contact with food, we recommend using suitable treatments.

## Cleaning after installation

During the installation mask the joints and insure that the silicone will not drip or flow out of joints onto the surface. Only use a neutral silicone to install the countertop. Remove the excess hardened silicone with a new razor blade, being careful not to scratch the surface.

After all assembly operations have been completed, clean the counter thoroughly with a neutral or slightly acidic detergent specifically for quartz-resin agglomerates.

Quartz surfaces containing mother of pearl chips shall not be cleaned with acidic detergents that will damage the mother of pearl.

Be careful in cleaning the delicate metallic pieces and other acid-sensitive materials that may be in the quartz tops.

## Daily cleaning

The daily cleaning of SM Quartz® surfaces is done using a damp cloth or paper towel and, if needed, a small quantity of neutral or slightly acidic pH detergent specifically designed for the daily cleaning of quartz based engineered stone surfaces.

Spread the detergent on the surface and let it work for some seconds, rinse with a cloth or water, then carefully dry the surface.

Compared to polished surfaces, honed or textured surfaces tend to get dirty more easily and therefore, if limescale deposits, fingerprints, metallic marks or other types of stains are present, more thorough cleaning may be required.

Quartz surfaces containing mother of pearl chips shall not be cleaned with acidic detergents that will damage the mother of pearl.

Be careful in cleaning the delicate metallic pieces and other acid-sensitive materials that may be in the quartz tops.

## Cleaning difficult stains

SM Quartz® countertops are highly resistant to staining. However, cleaning difficult stains may require special action, especially if these stains are not removed promptly.

Deep clean the surface by spraying an acidic or slightly alkaline pH detergent specifically designed for deep cleaning quartz based engineered stone countertops, and consistently spread it with a non-abrasive cloth (such as 3M Scotch-Brite).

Allow the detergent to work for 5 minutes, then thoroughly rinse with water until the detergent has been completely removed. Remove the excess water with a cloth and dry.

Should the stain not be completely removed, repeat the whole process.

If the counter has been treated with a protective enhancer, any thorough cleaning may have removed the treatment as well, highlighting a lighter area especially on dark surfaces.

To make the colour of the surface even again, the toner should be applied again, if necessary, after removing the old treatment from the entire counter.

Quartz surfaces containing mother of pearl chips should be cleaned with neutral pH detergents only. Using acid detergent will damage the mother of pearl.

Be careful in cleaning the delicate metallic pieces and other acid-sensitive materials that may be in the quartz tops.

## Preventing damages caused by thermal shock or impact

SM Quartz® surfaces are heat resistant and can withstand a limited exposure to pots, pans or dishes at normal cooking temperature without visible damages.

Although SM Quartz® surfaces show higher heat resistance than any other stone countertop, they can be damaged by sudden and extreme thermal shocks. We recommend the use of trivets to avoid continued exposure of SM Quartz® surfaces to sources of heat.

SM Quartz® surfaces are highly scratch resistant, but are not scratch proof. We recommend the use of cutting boards when cutting and preparing food.

## Chemicals to be avoided

Avoid exposing SM Quartz® to chemicals and solvents, especially paint removers, that might contain trichlorethane and methylene chloride.

Keep solvents, acetone, alcohol, thinners, detergents containing bleach, laundry bluing, highly alkaline liquids such as bleach, caustic soda or oven cleaners, acids, oily soaps, descalers, markers or ink, abrasive and micro-abrasive detergents away from the surface.

Should any of the above listed liquids drip on the quartz surface, remove it immediately and thoroughly rinse with water.

Even though an occasion exposure to alkaline products does not damage SM Quartz® surfaces, highly alkaline detergents (high pH) are not recommended for daily cleaning.

The use of highly alkaline detergents may damage the surface of the material.

Quartz surfaces containing mother of pearl chips shall be cleaned with neutral pH detergents only. Using acid detergent will damage the mother of pearl.

Be careful in cleaning the delicate metallic pieces and other acid-sensitive materials that may be in the quartz tops.

It is recommended to use only a neutral silicone to install the countertop.

## Detergents tested and approved by Santamargherita R&D

Deep cleaning detergents (acid or slightly alkaline pH):

|                           |                               |
|---------------------------|-------------------------------|
| Drago Pulisan Anticalcare | Guaber S.r.l.                 |
| Filavia Bagno             | Fila Industria Chimica S.p.A. |
| LEM 3                     | Bellinzoni S.r.l.             |
| Quartz cleaner            | Faber Chimica S.r.l.          |

Daily cleaning (neutral or slightly acid pH):

|                           |                               |
|---------------------------|-------------------------------|
| Drago Pulisan Anticalcare | Tenax S.p.A.                  |
| Filavia Bagno             | Fila Industria Chimica S.p.A. |
| LEM 3*                    | Bellinzoni S.r.l.             |
| Top Cleaner               | Faber Chimica S.r.l.          |

\*\*Slightly alkaline pH product.

Notes: Drago Pulisan Anticalcare, Filavia Bagno, Fila Refresh, Brio Top, Quartz Cleaner, Top Cleaner tested not diluted  
LEM 3 tested at 1:10 dilution

The detergents must be used at the dilution suggested by the manufacturer.

## Commonly used protective treatments

Below is a list of some products, for information purposes only, suitable for contact with food, which are used to treat textured surfaces.

### Neutral treatments:

|         |                               |
|---------|-------------------------------|
| Idea HP | Bellinzoni S.r.l.             |
| MP 90   | Fila Industria Chimica S.p.A. |
| SKUDO   | Tenax S.p.A.                  |

### Enhancing treatments:

|               |                               |
|---------------|-------------------------------|
| Idea Quartz   | Bellinzoni S.r.l.             |
| Quartz Toner  | Tenax S.p.A.                  |
| Stone Plus    | Fila Industria Chimica S.p.A. |
| Deep Enhancer | Faber Chimica S.r.l.          |

Note: Apply the treatments by following the manufacturer's instructions.

IMPORTANT! - The content of this recommendation is based on our experience. Although we strive for thoroughness and accuracy of the information we provide, SANTAMARGHERITA® this is not a warranty and we can't take any responsibility for the exactness and applicability of this document.