

LAMINAM is a porcelain stoneware slab ideal to make interior decoration finishes, e.g. horizontal work surfaces such as kitchen worktops, bathroom countertops and table tops, but also to cover vertical surfaces such as door panels. LAMINAM slabs are carefully made with porcelain stoneware by wet grinding of clayish natural raw materials, granite and metamorphic, feldspar-containing rocks and ceramic pigments, which are then compacted by special shaping process in the Compatter and by sintering at 1200°C with hybrid firing. Thanks to the production process used, as well as the high-quality raw materials and firing temperatures, LAMINAM surfaces have exceptional features, including heat resistance, hygiene and resistance to weathering, stains, scratching and low water absorption.

PLUS LAMINAM IN INTERIOR DECORATION

- LAMINAM consists of porcelain stoneware: this ceramic material does not contain organic materials, hence it is resistant to fire and high temperatures for household use. Its resistance to surface heat allows hot pans or dishes to be placed directly on the worktop.
 - Food can be left in direct contact with the Laminam worktop: the surface is hygienic and resistant to fungi and mould. The product is perfectly compatible with foodstuffs, as it does not release elements in solution. Dirt, bacteria, fungi or pathogenic mould agents simply cannot penetrate the surface material of the product.
 - Laminam surfaces can be maintained and cleaned easily and quickly, since it is resistant to stains (*) and cleaning products and detergents (*).
 - Laminam has excellent resistance to scratching and deep abrasion (*), even in case of direct contact with metal utensils such as cutlery and knives, which are normally used in the kitchen. Compact surface, no surface porosity.
 - The Laminam finish remains unchanged over time in outdoor environments and has excellent resistance to UV rays and weathering. It is stable and is not subject to dimensional changes.
- (*) These features are not guaranteed for Polished Laminam, which is more sensitive than other Laminam surfaces, since this finish is obtained via painstaking post-firing mechanical processing. This is why we advise against manufacturing sinks and bathtubs with this product.

LAMINAM FILO SERIES

The Filo series is a finish designed especially for cover applications. The material is obtained by applying metal particles on the surface: this feature makes it sensitive to acids and products containing acids, as well as to scratching and abrasion. Such possible surface alterations are to be seen as distinctive features of the material.

CLEANING AND MAINTENANCE

For all the cleaning operations described, we recommend first performing a test on a small area of the material with the product you intend to use. Please note that, in general, the quicker you act to remove a stain, the easier it will be to remove it. Any marks or stains found on surfaces are usually due to incorrect and superficial cleaning. Please follow the information on the technical data sheets and labels of the products used.

(continued)

ROUTINE

For daily cleaning of Laminam slabs, use warm water and, possibly, mild detergents (e.g. soap or worktop detergents), using a cloth or soft sponge. Rinse with plenty of water then dry the surface with a soft cloth or kitchen paper. To prevent an opaque film from forming, it is advisable not to use products containing wax. Do not use detergents or abrasive sponges.

EXTRAORDINARY

- LAMINAM Naturale and Soft Touch

To remove stains or particularly resistant residues from the Laminam surface, we recommend preliminary cleaning with warm water and a mild detergent. If this should not be sufficient, use gradually stronger cleaning techniques, using specific products depending on the stain to be treated, such as:

- Non-abrasive detergents with neutral pH
- Slightly abrasive detergents
- Acidic detergents (e.g. limescale remover) or basic detergents (e.g. bleach)
- Solvent-based detergents (e.g. acetone)

Subsequently, rinse with water and dry.

To eliminate any residue of dried materials deposited on the surface, such as chewing gum, remove by using a wooden or plastic scraper.

After that clean with a mild detergent, using soft sponges or cloths.

If the worktop is stained with inks or felt-tip pens, promptly clean the area using specific detergents, such as: Paint thinner, Trichloroethylene, Turpentine or other solvent-based detergents available on the market. Avoid spreading the mark over the entire surface. Finally, rinse with water and dry.

Any stubborn graphite residues or any marks left by metal objects can be removed by direct contact with acids, such as limescale remover or commercially available muriatic acid, for 10 minutes, then rinse with water and dry. If necessary, use a slightly abrasive sponge, testing it before on a small portion of the material.

- Polished LAMINAM

Certain types of stains, unless they are removed quickly, may leave varyingly visible marks on the surface, which fall within the tolerance of the specific type of finishing. Promptly dry the surface with an absorbent cloth if you have spilled liquids such as coffee, red wine, tea, etc. without spreading the staining agent. If the stain remains for a long time it will be difficult to remove completely. Bleach may be used to remove stubborn stains. Dampen a soft cloth with bleach and rub the surface for a few seconds. Most stains will no longer be visible just 2/3 minutes after application.

(continued)

Alternatively, you can try direct contact on the surface. The detergent should be left on for no longer than 10 minutes. Then rinse thoroughly – always and in any case – with plenty of water and, finally, dry the surface. If necessary, clean several times. Do not increase the contact time.

Acidic products (such as a limescale remover), acetone and ammonia may also be used. Do not, under any circumstances, use abrasive sponges or materials, such as detergents containing abrasive particles, metal scouring pads or steel tools. Do not use detergents with strong basic pH (higher than 11) for cleaning.

- LAMINAM Filo Series with metallic finish

Do not use acids or products containing acids, such as limescale remover, on products in the Filo Series. Do not, under any circumstances, use abrasive sponges or materials, such as detergents containing abrasive particles, metal scouring pads or steel tools. Alcohol for domestic use can be used, or basic detergents (such as bleach) as required for more stubborn dirt, making sure to rinse with plenty of water. Clean by using a soft sponge dampened with water and detergent, then rinse and dry the treated surface using a dry cloth to remove any residues of dirt or detergent.

WARNINGS

- Check that the worktop (kitchen worktop, bathroom countertop) made with Laminam slabs is installed correctly.

For example, the perimeter of the worktop must be supported or reinforced correctly and, in particular, in the area with holes for the sink and cooktop.

- Ensure the base of the unit is levelled when installing the worktop and pay attention to maintaining flatness over time.
- Ensure a support is installed under the sink, consisting of a reinforcing bar fastened on the structure of the unit.
- Do not misuse the product.
- Do not sit or stand on the worktop or on the table top made of Laminam.
- Although the surface is compact and durable, do not use the worktop for pounding meat. Use a chopping board and pound the meat away from any worked parts, such as the hole of the sink.
- We recommend not cutting food directly on the worktop, since knives will become blunt over time. Any marks made by the knife's metal part can be removed with acids (e.g. limescale remover or muriatic acid), leaving them on for about 10 minutes. If necessary use a slightly abrasive sponge, testing it before on a small portion of the material. If the worktop is made with Polished Laminam, always use a chopping board.
- Avoid impacts caused by utensils falling from a height or heavy objects falling onto the worktop. These might scrape or damage the surface.
- Avoid contact with adhesives and silicones since, once they have hardened, it will not always be possible to remove residues.

(continued)

In addition, for POLISHED LAMINAM

- Avoid dragging objects such as dishes, pots, knives and, in general, hard objects directly over the worktop.
- Use a chopping board when cutting food and use pads, place mats and coasters to avoid rubbing on the worktop.
- Do not, under any circumstances, use abrasive sponges or materials, such as detergents containing abrasive particles.