



The beauty of precision.


MARmite

MINERAL COMPOSITE

by  MARMITE

A “bacteria proof” solution

In times of the coronavirus pandemic, special attention should be paid to bathroom hygiene. More specifically, we should make the space around us more resilient to germs and bacteria. Marmite answer to that need is our Mineral Composite material that we use to produce our bathroom fittings and some pieces of advice about factors to consider while arranging or renovating your bathroom to make it “bacteria proof”.



Is your bathroom bacteria-resistant?

The things to keep in mind when designing a bathroom to keep it bacteria-free.

The recent outbreak of Covid-19 serves as a reminder of the importance of anti-bacteria prevention, with special emphasis placed on our surroundings. We can protect ourselves from bacteria at home in many ways, among them by taking proper care of the bathroom. Therefore, when designing or redecorating a bathroom you should take into consideration several things that will help you to boost anti-bacteria protection.



It goes without saying that lots of bacteria gather in the bathroom where we wash bacteria off our bodies. The question is what happens to that bacteria. Unfortunately, oftentimes some bacteria remain on the bathroom surfaces from where they are carried to other rooms. This may be the scenario even if the bathroom is regularly cleaned. Why and how can you prevent it?

These are the 4 basic criteria worth noting when planning an anti-bacteria bathroom:

1. The material
2. The design
3. The maintenance method
4. Proven quality standards

The fittings material

Firstly, the material used to make a product. Many materials used to manufacture bathtubs or washbasins in fact have micro-pores and porous surfaces where bacteria nest and grow. Even if you wipe this surface with a cloth with, say, cleansing cream, you will not remove the bacteria in recesses. For this reason, materials designed to prevent bacteria from gathering on surfaces have been gaining in popularity. They are ideally smooth and devoid of fissures or micro-holes invisible to the human eye. As a result, bacteria cannot accumulate and can be effectively removed with a cloth and a regular household detergent.

A case in point is Mineral Composite by Marmite, frequently referred to as the 21st century ceramic owing to its properties and the production process. The inside, made of dolomite rock which consists of calcium carbonate and magnesium carbonate, is covered with a Nano-coat from custom-designed resin.

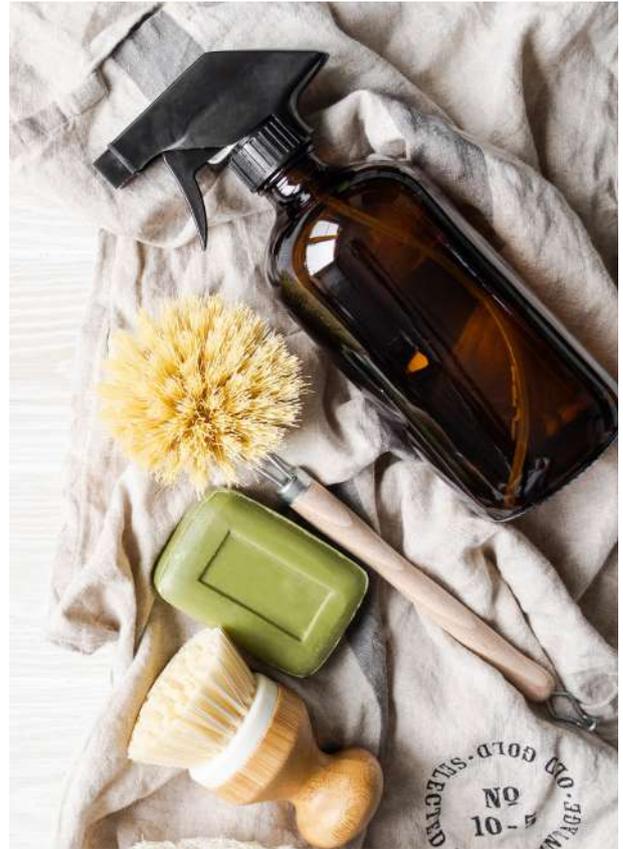
Interestingly, a very similar material is used to manufacture yacht hulls and wind turbines which become resistant to the weather conditions and corrosion caused by micro-elements in the water and the air.

Secondly, let's take a close look at the product design. Bacteria love to nest in fittings' recesses: troughs, hollows, soap grooves and flattened surfaces around the drains. When you let water out of a bathtub or a shower tray, take notice of the drain; if a small "puddle" forms for some time it is an indication that in that location, bacteria from the water have an opportunity to settle down for longer. Sanitary devices should be designed to prevent bacteria from gathering and to provide easy access while cleaning. Choose fittings where smooth and simple surfaces prevail, without places where dirty water could pool or which are hard to reach with a cloth or a brush.

As a result, the surfaces of bathtubs, shower trays and washbasins made of Mineral Composite are ideally smooth and devoid of any pores or micro-holes where bacteria would grow.

Regular maintenance

If something comes easily we tend to do it more frequently while things hard to do are typically put off till later. It holds true for cleaning the bathroom. It is better to clean it more frequently with gentle agents than to go to war with bathroom dirt, infrequently using "heavy" chemical artillery. Here the material comes in, yet again: look for material resistant to ingrained dirt, e.g. hair dye or nail varnish. If you can remove them easily with regular house detergents like soaps and creams, you will do it more frequently and bacteria will not have the time to grow.



Quality certificates

Finally, when choosing a product it is a good idea to check if it was well tested and awarded quality certificates. Some manufacturers put their products to tough tests to check their anti-bacteria properties.

In Marmite, we use an independent laboratory to test the Mineral Composite surfaces. In laboratory conditions, products are covered with bacteria, among them staphylococcus and E. coli, and left for at least 24 hours. Next, we check which part of the bacteria remains on the surface after using a typical household detergent. Nothing or almost nothing remains from several dozen or, in some cases, several hundred bacteria units per square cm. This is why Mineral Composite has been awarded an ISO 22196 certificate.

A “BACTERIA PROOF” SOLUTION Q&A

Context:

The coronavirus pandemic reminds us how important it is to maintain proper hygiene and keep our environment bacteria- and germ-free. Special attention should be paid to bathroom hygiene. The bathroom is a place where bacteria are wash off our bodies. However may still remain on bathroom surfaces, often by hiding in micro-cavities and holes of basin, baths or shower trays, not visible to the naked eye. Marmite Mineral Composite material provides solution to protect against bacterial growth.

QUESTION

ANSWER

WHAT MAKES PRODUCTS MADE OF MINERAL COMPOSITE ANTIBACTERIAL?

All Mineral Composites products are covered with Nanocoat, a perfectly smooth and consistent, devoid of any cavities and holes. Therefore there is no room for bacteria to stick or hide and It is very easy to clean the surfaces with standard household detergents.

IS A NANOCOAT SAFE FOR MY SKIN AND HEALTH?

Nanocoat is inactive surface fully which remains neutral in contact with the skin.

IS THERE ANY PROOF THAT MINERAL COMPOSITE HAS ANTIBACTERIAL ATTRIBUTES?

The anti-bacteria effect of Mineral Composite is proven by a test conducted by an independent laboratory. It resulted in granting a ISO 22196 certificate.

HOW WAS THE TEST CARRIED OUT?

The test takes place in a lab. The tested surface is covered in bacteria (staphylococcus and E. coli) and left for 24 hours. After that, it gets cleaned with a standard cleaning agent. In the test on a Marmite product, there were no bacteria left after that procedure. This is an excellent result and, according to ISO standards - evidence of anti - anti-bacteria properties.

HOW IS MINERAL COMPOSITE DIFFERENT FROM OTHER MATERIALS?

It is even, smooth and has no micro-cavities which are often invisible to the naked eye. It does not allow bacteria and germs to nest and multiply.

HOW TO ENSURE PRODUCTS MAINTAIN ANTIBACTERIAL PROPERTIES?

Comfort of feeling safe in your own bathroom. Certainty coming from the fact that simply wiping the surface with a cloth with an even mild detergent is enough to get rid of any bacteria.

WILL MINERAL COMPOSITE PROTECT ME AGAINST THE CORONAVIRUS?

In the time of the coronavirus it is crucial to keep our surroundings clean by washing hands, disinfecting objects of common use and keeping bacteria away from surfaces with which we come in frequent contact.

Mineral Composite prevents bacteria and germs from growing in cavities of bathroom surfaces. In general, bacteria can cause illnesses and lower human immunity so it is important to keep all these recommendations in mind both with respect to the coronavirus and standard health prevention.



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