The beauty of precision.

Mineral Composite

Company

Marmite is the leading European manufacturer of bathroom equipment made of Mineral Composite, the world's most outstanding material. The company began over 40 years ago in Sweden and was a pioneer in the use of Mineral Composite for the manufacture of washbasins, shower trays and bathtubs. Currently the entire production takes place in Poland.

Mineral Composite was developed thanks to Marmite's years of experience. Through our investment in technology, research and development we have created a material that is unique in the market. The environmentally friendly, energy-efficient technological process used to manufacture Mineral Composite is unique in the entire bathroom fixtures industry.

Products: We offer a wide range of products, such as: furniture basins, countertop basins, undercounter basins, wall hung basins, bowls, semi-recessed basins, freestanding basins, shower trays of various shapes, built in and freestanding bathtubs. Each product undergoes strict quality control and is tested in accordance with European and US standards to ensure the highest possible quality of manufacture.

Mineral Composite Profile

Thanks to its unique structure, based on a combination of nature and technology, Mineral Composite imparts exceptional qualities to Marmite products. The main component of Mineral Composite is dolomite stone. Every Marmite product has a minimum dolomite content of 75%. The crushed stone particles of appropriately varied sizes ideally fill the mould, forming a compact base. The resin added to the base, which envelopes every grain of dolomite, forms a material with a set of properties unparalleled in nature. The process of binding the resin with dolomite, known as crosslinking, enables the material to be permanently formed in any shape imposed upon it. The external layer is nanocoat. Cured resin, mixed homogeneously with pigment and quartz particles, imparts the final finish and smoothness to the product's surface. All the Mineral Composite components are environmentally-friendly. They have quality certificates and are sourced from known and respected manufacturers.

Colours and surfaces

Mineral Composite may be manufactured in almost all colours and with any structure. The dyes used by us are free from impurities, consistent and do not contain heavy metals, such as lead and cadmium.

Colour: Marmite's products can be made in one or a combination of two colours.

Surfaces: Marmite offers a matte and glossy finish and a vast range of structured surfaces for washbasins and shower trays made of Mineral Composite. The material easily adapts to appear as a natural surface. The surface can perfectly reflect the natural look of wood, rock or sand.

Photofusion: Technology of impregnation 100% natural stone pattern into a product with all its advantages. Various stone patterns are available. It is an ideal match to furniture thanks to tolerance of length 0/+3mm. Perfect solution for undermount and countertop basins.

Evermite.2

Evermite.2 is a new improved multi-tasking surface, for professional use. Thanks to its unique nano composite formula Evermite.2 is more durable, providing resistance against scratches and stains. It gives full freedom of form. It can for the first time be applied to all washbasins,

shower trays and bathtubs, including designs manufactured using Hand Finish technology. The unique Evermite.2 features were confirmed by a series of tests conducted by independent research laboratories and certification centres, such as: ITB Polska, VTT Finland, IAMPO USA. In order to obtain more comprehensive information about the Evermite formula we invite you to view our website: www.evermite.eu.

Value

Mineral Composite is a material that fully utilises the extraordinary properties of dolomite. Thanks to technology developed by Marmite, rock that was formed millions of years ago is turned into resistant and beautiful modern products. The combination of dolomite and elastic resin imparts unparalleled durability and impact-resistance to Mineral Composite. The resin also provides unlimited possibilities for moulding products made from this technology.

Production and quality

We are proud to welcome customers to our manufacturing plant in Poland, on a single site of 35,000 m^2. Here we employ 700 people and operate 7 fully integrated production lines for washbasins, bathtubs and shower trays. Our investment in technology means our manufacturing is perfectly suited to both large and smaller production volumes. Our production capacity per annum is in excess of 1,400,000 units. The company has an international presence, selling across 35 countries. Consistent and accurate quality of manufacture is ensured with our investment in bespoke mould production. We operate a fast lead time from order to dispatch.

Certificates: Each product manufactured from Mineral Composite receives a Declaration of performance (Dop) in accordance with the regulation (EU) No. 305/2011 laying down harmonised conditions for the marketing of construction products. We also have a declaration of the European Chemicals Agency (ECHA) on the chemical harmlessness of substances used in the manufacture of Mineral Composite.

Repair

The material has the additional benefit being easy repairable. Minor defects like cuts or scratches can be removed by an individual using our bespoke Repair Kit. The kit includes all the necessary items needed to conduct a self-repair of a damaged area.

Guarantee

Terms and conditions are explained on Marmite's Guarantee Card.

Environment

Products made of Mineral Composite may be recycled in order to recover raw material.

Tables of technical and quality parameters

1. Resistance to fire

Property	Standard	Classification/result	Study conducted by
European classification for the reaction to fire behaviour	EN 13501-1 + A1:2010	E – means that the products are able to resist for a short time a small flame, without flame propagation	Construction Technology Institute, member of the European Organisation of Technical Assessment (EOTA).

Study method	Classification criteria	Additional classification	Classification
EN ISO 11925-2L 15 s exposure	Fs ≤ 150 mm within 20 s	Flaming droplets/ particles	E

2. Resistance to changes of temperature*

Property	Standard	Description	Classification/result	Confirming document
Resistance to changes of temperature	EN 14688:2006 European Standard	Marmite Mineral Composite underwent testing at a temperature of 70°C and 15°C	No defects were established (cracks, scratches, bulges etc.)	Testing report no LOW01-1224/11/R03OWN
Resistance to changes of temperature	CSA B45.5-11/IAPMO Z124-2011 American Standard	Marmite Mineral Composite underwent testing at a temperature of 65°C and 10°C	No defects were established (cracks, scratches, bulges etc.)	Testing report no LOW01-1224/11/R03OWN

* Tests were conducted by the Construction Technology Institute, member of the European Organisation of Technical Assessment (EOTA).

3. Declaration of performance (Dop) No. 400/03/1 in accordance with annex III of the european union regulation No. 305/2011 for products: washbasins, bathtubes, shower trays made by cast marble

Product	Basic characteristic	Result	Standard
Washbasin	CA – cleanability	Pass	EN 14688:2006
	LR – load resistance	Pass – wall hung washbasins N/A – remaining washbasins	
	OF – outflow	CL – 25 washbasins with overflow CL - 00 washbasins without overflow	
	DA – durability	Pass	
Shower tray	CA – cleanability	Pass	EN 14527:2006 +A1:2010
	DA – durability	Pass	
Bathtub	CA – cleanability	Pass	EN 14516:2006 + A1:2010
	DA – durability	Pass	

4. Resistance to chemical reagents and staining agents**

Type	Reagent	Removal method	Effect	Classification	Confirming document
Acids	Acetic acid (CH_3COOH) 10% v/v	Deionised water	No discolorations (stains) or damage to the usable surface were established	CE	Testing report no LOW01-1224/11/ R03OWN
Alkalis	Sodium hydroxide (NaOH) 5% v/v	Deionised water	No discolorations (stains) or damage to the usable surface were established	CE	Testing report no LOW01-1224/11/ R03OWN
Alcohols	Ethanol (C_2H_5OH) 70% v/v	Deionised water	No discolorations (stains) or damage to the usable surface were established	CE	Testing report no LOW01-1224/11/ R03OWN
Bleaching agents	Sodium hypochlorite (NaOCl) 5% of active chlorine (Cl_2)	Deionised water	No discolorations (stains) or damage to the usable surface were established	CE	Testing report no LOW01-1224/11/ R03OWN
Staining agents	Methylene blue 1% m/m	Aluminium oxide suspension in water and a cleaning device	No discolorations (stains) or damage to the usable surface were established	CE	Testing report no LOW01-1224/11/ R03OWN
Salts	Sodium chloride (NaCl) 170g/l, diluted with water to 50%	Deionised water	No discolorations (stains) or damage to the usable surface were established	CE	Testing report no LOW01-1224/11/ R03OWN
Hair dye	Palette Instant color (dark cherry, pome-granate red)	Clean&Shine agent	We were not able to remove the stains using deionised water, nor using an aluminium oxide suspension. Removable only using sandpaper	CE	Testing report no LOW01-1224/11/ R03OWN
Toothpaste	Colodent with aloe, Colodent super junior, Colgate herbal, Sensodyne, Blend-a-med 3D white lux	Deionised water	No discolorations (stains) or damage to the usable surface were established	CE	Testing report no LOW01-1224/11/ R03OWN

* The test was conducted in accordance with the description in item 5.5.
of the EN 14688:2006 European Standard using all the chemical reagents provided in Table 2 of this document.

5. Resistance to staining *

Reagent	Effect	Standard	Result	Confirming document
Black crayon	No discolorations (stains) or damage to the usable surface were established	CSA B45.5-11/IAPMO Z124-2011	Pass	Testing report IAPMO R&T Lab No.: 19641 California
Black shoe polish	No discolorations (stains) or damage to the usable surface were established	CSA B45.5-11/IAPMO Z124-2011	Pass	Testing report IAPMO R&T Lab No.: 19641 California
Lipstick	No discolorations (stains) or damage to the usable surface were established	CSA B45.5-11/IAPMO Z124-2011	Pass	Testing report IAPMO R&T Lab No.: 19641 California
Ink/ink-pot	No discolorations (stains) or damage to the usable surface were established	CSA B45.5-11/IAPMO Z124-2011	Pass	Testing report IAPMO R&T Lab No.: 19641 California
Beetroot juice	No discolorations (stains) or damage to the usable surface were established	CSA B45.5-11/IAPMO Z124-2011	Pass	Testing report IAPMO R&T Lab No.: 19641 California
Grape juice	No discolorations (stains) or damage to the usable surface were established	CSA B45.5-11/IAPMO Z124-2011	Pass	Testing report IAPMO R&T Lab No.: 19641 California
Tea stains	No discolorations (stains) or damage to the usable surface were established	CSA B45.5-11/IAPMO Z124-2011	Pass	Testing report IAPMO R&T Lab No.: 19641 California
Cigarette stains	No discolorations (stains) or damage to the usable surface were established	CSA B45.5-11/IAPMO Z124-2011	Pass	Testing report IAPMO R&T Lab No.: 19641 California

* The test was conducted in accordance with the description in item 5.11 of the CSA B45.5-11/IAPMO Z124-2011 USA Standard entitled "Plastic Plumbing Fixtures", using all the reagents stated therein.

Manufacturer:
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