



TECHNICAL DATA SHEETS

MOSSAICA glass mosaics are manufactured by casting molten glass at 950°C into molds. The raw materials are entirely recycled high quality glass. As part of the manufacturing process all mosaics are fully annealed to enhance durability.

Mossaica strives to achieve the highest possible level of environmental stewardship in our manufacturing processes. No pigments containing lead, cadmium or other heavy metals are used in manufacturing our products. No particulate waste is emitted, internal scrap is recycled into new mosaics and process cooling water is reused in a closed loop system.

These glass mosaics are extremely durable and well suited for all wall tile applications, both interior & exterior, and many floor tile applications without risk of deterioration or fading. Our glass mosaics are suitable for use as wall tiles for all interior, exterior and wet area installations (including pools, water features and steam rooms/showers).

Our glass tiles are unaffected by exposure to freezing conditions, including while immersed. For exterior applications additional care should be taken to select the appropriate installation materials and methods;

- can be used as residential or light commercial floor tiles both interior and exterior – or as decorative inserts in any floor installation
- Pool usage: all of our glass mosaics are suitable for use in areas of continuous immersion.

Our glass mosaics are custom made for your order at our factory in Izmir, TURKEY. Production lead times are typically 2 to 3 weeks for orders of standard glass tiles and 4 weeks for custom mosaics and assemblies.

All mosaics and assemblies are available as blends of customer specified colors.

Manufacturing Standard:

Our glass mosaics are made to meet or exceed the requirements of TSE TS-13750 Turkish National Association

Standard Specifications for Glass Tile.

- Chemical Resistance ASTM C650-04; - No Effects Class A
- UV AGING ISO 4892 – No Effects
- Freeze/Thaw ASTM C1026-13; - Passes
- Examination of the surface defects - TS EN ISO 10545-1; - No Defect
- Surface Quality - TS EN ISO 10545-2; - %100 Defect-free
- Water absorption rate*, TS EN ISO 10545-3; Max %0.04
- Rupture strength determination - TS EN ISO 10545-4; 55 N/mm²
- Glazed surface hardness determination - TS EN 101 ; passed;
- Thermal expansion coefficient determination - TSE EN ISO 10545; - PASSED

Recycled Content:

Our glass tiles are made using high quality glass that is 100% recycled. The majority of the glass comes from post-industrial sources, a significant amount of post- consumer glass is consumed enabling.

Installation:

Installation instructions are provided with every box of glass mosaics.

Gradation Blends;

Custom gradation blends are offered in all sizes and

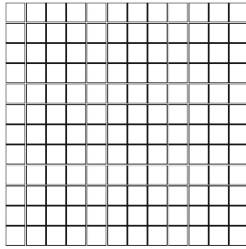
Sizes:

Our glass mosaics are offered in 5 standard nominal sizes;

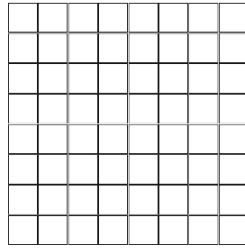
- 25mm x 25mm x 4 mm
- 40mm x 40mm x 4 mm
- 50mm x 50mm x 4 mm
- Herringborn – 23mm x 48mm x 4 mm
- Hexagon – 40mm x 40mm x 4mm

Mounting:

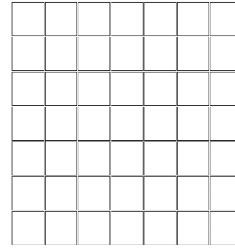
Glass mosaics are provided as mesh-mounted sheets and silicon(polyuretan)-mounted sheets. The default mounting is paper-faced, clear plastic face-mounting is also available. All mosaics are mounted with a 2mm grout joint.

Standard Mosaic Layouts

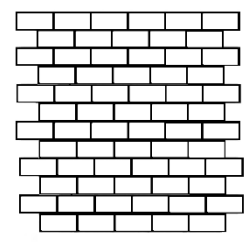
25mm x 25mm



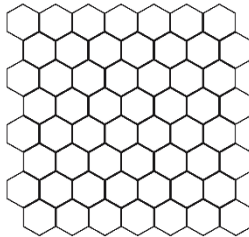
40mm x 40mm



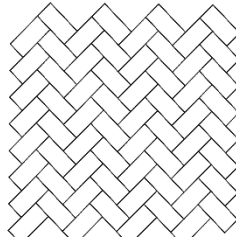
50mm x 50mm



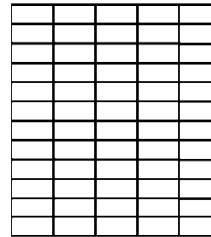
23mm x 48mm



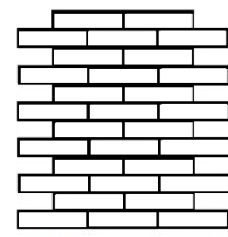
Hexagon



herringbone 23mm x 48mm



23mm x 48mm



23mm x 98mm