

glass mosaic Technical Datasheet

Product description

Glass mosaic made of frost-proof quality glass, optionally superwhite glass, with coloured enamel on the back, incl. a white overlay, not solid-coloured. Glass mosaics on sheets - secured by a transparent adhesive foil on the front, optional with a glued mesh on the reverse side. The surface is generally glossy; optionally frosted for a few colors.

The product can be supplied in various formats, thicknesses and colours/colour mixtures and surface refinements; colour gradients and picture motifs are possible.

Areas of application

Interior

- As wall and ceiling cladding
- As flooring in private residences with low traffic
- As swimming pool lining in private houses

Exterior/facades

- As exterior wall and ceiling cladding on massive ground
- As cladding on external thermal insulation composite systems
- As cladding on suspended, rear-ventilated plaster support systems

Colour batches/samples

Delta Elements sorts the products according to the hues or colour mixtures specified on the respective cartons. Only glass mosaic of one order colour batch must be used to avoid large colour differences; waste material is to be calculated. Small colour differences up to a Delta E amount of 3,0 are possible within one order unit. The hues are generally based on 4 mm standard glass thickness; with a thickness of 8 mm, the hue can deviate due to the colouring.

Samples are principled non-binding and can deviate from the hue of the ordered goods for production technology reasons. This concerns particularly the colour batch, adhesive foil, wrapping and others.

Dimensions and weights

Thickness (mm)	4			8		
	25 x 25	25 x 50	50 x 50	25 x 25	25 x 50	50 x 50
Format/nominal size (mm)	25 x 25	25 x 50	50 x 50	25 x 25	25 x 50	50 x 50
Manufactured size (mm)	22,5 x 22,5	22,5 x 47,5	47,5 x 47,5	22,5 x 22,5	22,5 x 47,5	47,5 x 47,5
Mosaics per sheet (pcs)	144	72	36	144	72	36
Joint width (mm)	2,5			2,5		
Sheet-nominal size (cm)	30 x 30			30 x 30		
Surface	glossy, (frosty for a few colors)			glossy, (frosty for a few colors)		
Carriermaterial	Adhesive foil on the front			Adhesive foil on the front		
Sheets per carton (pcs)	20			11		
Quantity per carton (sqm)	1,8			1,0		
Weight per sheet (kg)	0,746	0,800	0,854	1,400	1,494	1,587
Weight per sqm (kg)	8,206	8,800	9,394	15,400	16,429	17,457
Weight per carton (kg)	14,920	16,000	17,080	15,400	16,429	17,457

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Technical specifications

Frost resistance	ISO 10545-12	Resistant
Water absorption	ISO 10545-3	< 0,5%
Resistance to temperature fluctuations	ISO 10545-9	Resistant
Resistance to chemicals	ISO 10545-13	Resistant
Light resistance of the colours	DIN 51094	Resistant
Thermal shock resistance	ANSI A 137.2-2012	Resistant

Processing/storage

The product has to be processed by the floating-method (glue on one side) according to DIN EN 12004. Full-surface adhesion of the product is essential. The optimum processing temperature is between 5 and 30° C. The product has to be stored implicit dry, in the shade, dust- and frost-proof and has to be processed within 6 month after production date.

The detailed Delta Elements processing instructions are found as a PDF download under the product category „glass mosaic“ on our homepage: www.deltaelements.eu

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This technical data sheet replaces the previous version. It provides information about the product properties and fields of application. Delta Elements has compiled all recommendations with due diligence according to the state of the art. Numeric information may deviate within the general tolerances for production technology reasons. The list of standards and directives merely serves as an overview with no claim of completeness. This technical datasheet does not constitute any guarantee in regards to the recommendations provided. Delta Elements assumes no liability and refers to its general business terms and conditions. No rights can be derived from the contents of the technical datasheet. The respective current version and the general business terms and conditions are found under www.deltaelements.eu; printing errors reserved.
