

GlassMosaic *eco*

Technical data sheet

Product description

GlassMosaic Eco is a recycled building product. The eco-material is made from dry-pressed and fired recycled used glass powder; the proportion of used glass is $\geq 97\%$; mosaics are fixed on sheets, foil-laminated on the front and optionally mesh-bonded on the back. The surface is available in many colors, glossy or optionally frosty (matt); completely dyed through. The sheets are available in a single color or in individual color mixtures; color gradients and image motifs on request.

Areas of application

- As interior/exterior wall and ceiling cladding on massive grounds
- As facade cladding on external thermal insulation composite systems (EWI system)
- As facade cladding on suspended, rear-ventilated plaster support systems (VHF)

Color batches/samples

Delta Elements sorts the products according to the hues or color mixtures specified on the respective cartons. Only glass mosaic of one order color batch must be used to avoid large color differences; waste material is to be calculated. Small color differences up to a Delta E amount of 3,0 are possible within one order unit.

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

Dimensions and weights

Thickness (mm)	25 x 25	50 x 50
Format/nominal size (mm)	6	6
Manufactured size (mm)	22 x 22	47 x 47
Mosaics per sheet (pcs)	144	36
Joint width (mm)	3,0	3,0
Sheet-nominal size (cm)	30 x 30	30 x 30
Surface	glossy, optional frosty	
Carriermaterial	adhesive foil on the front	
Sheets per carton (pcs)	11	11
Quantity per carton (sqm)	1,0	1,0
Weight per sheet (kg)	1,0	1,23
Weight per sqm (kg)	11,0	13,5
Weight per carton (kg)	11,0	13,5

Technical specifications

Frost resistance	ISO 10545-12	in accordance
Water absorption	ISO 10545-3	≤ 0,5%
Building material class	DIN 4102-1	A1
Resistance to chemicals	ISO 10545-13	in accordance
Light resistance of the colors	DIN 51094	in accordance
Thermal shock resistance	ANSI A 137.2-2012	in accordance
Determination of the dimensional and surface quality	ISO 10545-2	in accordance
Used glass share/amorphous share	XRD/Rietveld ≥ 97%	≥ 97%
Porosity: Pore volume VP Pore radius maximum rP	DIN 66133	7,3 - 9,8 mm ³ /g 0,2 - 0,3 μm (in accordance)

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 months after production date.

You can find the detailed processing and care instructions as a PDF download at: www.deltaelement.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 available at www.deltaelements.eu; printing errors reserved.