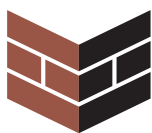


ELLA GROUP TECHNICAL DATA SHEET

PRODUCT NAME	ELLA GROUP
FORM	Solid
APPEARANCE	DC-100001, DC-100002, DC-100003, DC-100004, DC-100005, DC-100006, DC-100007, DC-100008, DC-100009, DC-100010.
DIMENSIONS	21×6×1.9 cm
COMPOSITION	Brick slips are bricks made from cement, fine aggregate, and additives, meeting the highest requirements for high strength, moisture resistance, frost resistance and colorfastness.
DENSITY	Approximately 1795.4 kg/m ³
DRY WEIGHT	0.43 kg per brick slip
ABSORPTION	227 kg/m ³
WATER ABSORPTION	Approximately 6–8%
EQUIVALENT PERFORMANCE	Although manufactured to a specific concrete masonry standard, ELLA BRICK can be classed as equivalent to a clay brick F.L. grade, i.e., frost resistant with low efflorescence.
PRESENTATION	1 box with 60 brick slips, covering an area of 1 m ²
PACKAGE WEIGHT	26 kg for a pack of 60 brick slips
PACKAGE DIMENSIONS	38×22×20 cm
CONSTRUCTION AND TESTING OF SHEAR BOND ASSEMBLIES	Shear bond assemblies were constructed in accordance with ASTM C482-20 utilizing the mortar substrate for non-vitreous tile, as modified by ASTM C1670/C1670M-21, and portland cement paste substrate as a bonding matrix. Each assembly was tested for shear bond strength in accordance with ASTM C482-20. Shear bond area calculated by multiplying the width and length of manufactured stone sample. Minimum shear bond strength required by TMS 402-16 is 50 psi.
VERIFICATION	Quality Management and Quality Control for manufacture materials of construction according to EU Standards (BDS EN 14617-2, BDS EN 14617-1, BDS EN 491:2011, ISO 1182:2010/ ISO 1716:2010, ISO140-3/ ISO 140-16, BDS EN 491:2011) and USA Standards (ASTM C1634-20, ASTM C642-13, ASTM C666, ASTM C1877)
INTERNATIONAL STANDARD	EU and USA Standards for construction products: Artificial Stone and Bricks: Aggregate (River sand and gravel), Portland Cement, Additive, Iron oxide color.
GRANULOMETRY	0/2 mm
STRENGTH CLASS	M35
THE DRY BULK DENSITY OF FRESH MORTAR	± 1.711 kg/m ³
THE DRY BULK DENSITY OF HARDENED MORTAR	± 1.570 kg/m ³
NORMAL CONSISTENCE	≥ 20%



ELLA GROUP

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ELLA GROUP TECHNICAL DATA SHEET

COMPRESSIVE STRENGTH 28-DAYS

> 35 N/mm²

PURPOSE AND DESCRIPTION

Easy Installation: Lightweight construction allows for quick and easy installation, significantly reducing time and installation costs.

Design Versatility: Whether you want a rustic look or a modern ambiance, our range of brick slips offers different styles and colors that fit into any design.

Moisture and Wear Resistance: Ideal for use in kitchens, bathrooms, and other high-demand areas.

Acoustic Improvement: Contribute to better room acoustics by reducing noise and creating a more pleasant atmosphere.

Aesthetic Appeal: Provides the look of full bricks, enhancing the aesthetics of wall surfaces both indoors and on facades.

Lightweight Construction: Easier installation and reduced weight load while maintaining all the advantages of full bricks.

Durability: Thanks to the baking process at temperatures up to 1200°C, brick slips are weather-resistant and long-lasting.

Energy Efficiency: Provides good insulation, contributing to the energy efficiency of the building.

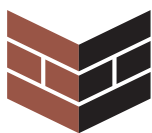
Eco-Friendliness: Innovative production methods can make brick slips a more environmentally friendly choice compared to some other building materials.

Space Saving and Cost Reduction: Save space when used in interior decor, and their use on external walls can reduce construction and renovation costs.

Low Maintenance: Easy to clean and maintain, making them a practical solution for busy and functional spaces.

REGIONAL SALES OFFICE

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