



TECHNICAL DATA SHEET – ITEM SPECIFICATIONS

"METROCHIC" - wall tiles collection

1. Process characteristics

White body tiles made by dry pressing of atomized clay mix of high-quality natural raw materials (clays, feldspar, and aggregates). The support thus obtained is first baked, then enamelled and baked again at temperatures above 1100 ° C resulting in a compact mass with average water absorption and resistant to chemical attack.

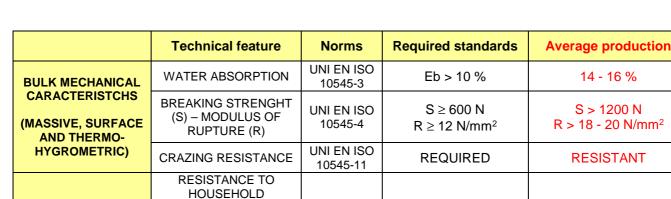
2. <u>Regulatory compliance</u>

The material complies, only for first choice, with the requirements UNI EN 14411 appendix L, and ISO 13006 with respect to physical and chemical surface properties. For the safety features of the $\zeta \in$ marking, compliance is extended to all commercial choices. Compliance maintenance is ensured by the Quality Management System, implemented by the company and certified according to UNI EN ISO 9001.

3. <u>Technical features</u>

European standard UNI EN 14411 - Appendix L – Dry-pressed ceramic tiles – GROUP BIII GL

			Required standards			Production
	Technical feature	Norms	(7≤ N< 15 cm)	(for N > 15 cm)		Ceramica
			mm	(%)	mm.	Sant'Agostino
REGULARITY CHARACTERISTICS	LENGHT AND WIDTH (Acceptable deviation of the average size of each tile from the manufacturing size W)	UNI EN ISO 10545-2	± 0,75	± 0,5	± 2,0	COMPLIANT
	THICKNESS		± 0,5	± 10	± 0,5	COMPLIANT
	STRAIGHTNESS OF EDGES		± 0,5	± 0,3	± 1,5	COMPLIANT
	RECTANGULARITY		± 0,75	± 0,5	± 2,0	COMPLIANT
	SURFACE FLATNESS		+ 0,75 - 0,50 ± 0,75	+ 0,5 - 0,3 ± 0,5	+ 2,0 - 1,5 ± 2,0	COMPLIANT
	SURFACE QUALITY		A minimum of 95 % of the tiles shall be free from visible defects			COMPLIANT



UNI EN ISO

10545-13

UNI EN ISO

10545-14

Minimum Class GB

Manufacturer to state

classification

Minimum Class 3

"Contribute of Ceramica Sant'Agostino products to LEED certification points"

CHEMICALS AND SWIMMING POOL

SALTS

RESISTANCE TO LOW

CONCENTRATIONS OF

ACIDS AND ALKALIS **RESISTANCE TO**

STAINING

MATERIALS & RESOURCES (MR CREDITS)

ceramica

CHEMICAL

CHARACTERISTICS

SANT'AGOSTINO

Building Product Disclosure and Optimization – Environmental Product Declarations \geq

Porcelain Tiles of Ceramica Sant'Agostino are manufactured respecting the Life Cycle Assessment (LCA) and contribute to LEED points by EPD (Environmental Product declaration) Media Sector certified by IBU and ECO PLATFORM.

Construction and Demolition Waste Management ۶

The products of Ceramica Sant'Agostino can contribute to management of building wastes because the recyclable material and especially the used packaging does not exceed 2.5% of the total weight of a supply average (1 pallet of about 870 kg). Packing waste can reach at least value below 2 kgs (with option 2 it helps to reduce the waste material because less than 12.2 kgs/mqs of building area)

ENERGY AND ATMOSPHERE (EA CREDITS)

Optimize Energy Performance ⊳

In performance analysis, tiles are part of the opaque elements of the packaging. The thermal conductivity λ of Ceramica Sant'Agostino products is 0,7 Watt/m K (0,6 Kcal/m h °C). The low thermal conductivity of tiles contributes to the optimization of the building's energy performance minimizing the environmental and economic impacts associated with excessive energy use.

INDOOR ENVIRONMENTAL QUALITY (EQ CREDITS)

Low-Emitting Materials (No VOC) \triangleright

Ceramica Sant'Agostino products do not emit VOC (volatile Organic Compounds) because they contain inert materials that satisfy automatically the requirements.

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(1/2 point)

COMPLIANT

RESISTANT

COMPLIANT

(2 points)



(1 to 20 points depending on the scope)

(1 to 3 points)

Pag.2





INNOVATION (IN CREDITS)

Innovation

(1 to 5 points)

Ceramica Sant'Agostino products are environmentally friendly due to the absence of harmful materials to humans and to the environment and also due to the production process performed with the lowest environmental impact made possible by the today technology.



For any other technical features and for more information please see the general catalogue or our internet site <u>www.ceramicasantagostino.it</u>

Ceramica Sant'Agostino reserves the right to make amendments or changes at any time as described in this document.