

ENG

Tender specification

Ceramica Fondovalle ADVANCE Collection

Supply of antiviral, antibacterial and photocatalytic porcelain stoneware tiles
by Ceramica Fondovalle for floor and wall coverings.

ADVANCE®

ADVANCE® is an antiviral, antibacterial and photocatalytic porcelain stoneware tile for eco-friendly floors and wall coverings.

It is manufactured in a single firing process at over 1200°C, with 40% recycled raw materials, suitable for both residential and non-residential applications. Thanks to its properties, this innovative ceramic is able to protect indoor environments, making them healthier and significantly reducing pollution.

ADVANCE® ha ottenuto diverse certificazioni, tra cui: ISO 18061:2014(E) Coronavirus 229E certifying its antiviral effectiveness, issued by TCNA (Tile Council of North America), ISO 27447:2019(E) Escherichiacoli ATCC 8739 Staphylococcus Aureus ATCC 6538 certifying its antibacterial effectiveness, certified by CFR-UNIFE Laboratory and TCNA., UNI 11484 certifying its ability to reduce pollution (issued by the Department of Chemistry, University of Turin).

Product Characteristics

Porcelain stoneware tiles produced from a mixture of selected clays with the addition of feldspars, quartz and kaolin. Manufactured by dry pressing atomized powders and subsequently vitrified through industrial firing at >1200°C.

The complete vitrification ensures a compact product that is non-absorbent, frost-proof, resistant to bending, impact, stains, chemical attack, thermal shock, fire, and with colors resistant to light.

Compliance with EN 14411-G / ISO 13006-G

Ceramica Fondovalle collections Advance collection comply with Italian and European UNI EN 14411-G standards for first choice, and with international ISO 13006-G.

Quality and Environmental Certifications

Product quality is guaranteed by the Quality Management System implemented by Ceramica Fondovalle, certified according to UNI EN ISO 9001.

Production takes place in facilities with Environmental Management Systems certified UNI EN ISO 14001 (internationally recognized), EMAS (Regulation 1221/09 – EU Eco-Management and Audit Scheme), Energy Management System ISO 50001 and Occupational Health and Safety Management System ISO 45001.

The collections contribute to LEED credits.

Pre-consumer recycled material content is 40%, certified by an external qualified body (LEED V4 – MR Credit).









The product contains no VOC (volatile organic compounds). An Environmental Product Declaration (sectoral EPD) is available, transparently reporting the environmental performance of the Ceramica Fondovalle Advance collections, based on Life Cycle Assessment (LCA).



Voce di capitolato - Tender specification- SPÉCIFICATION TECHNIQUE - FONDOVALLE

Ausschreibungstext CERAMICA FONDOVALLE ADVANCE









Tipologia di prodotto - Product type - Typologie de produit - Produkttyp: Gres
ISO 13006-G (Gruppo Bla), EN 14411-G (Gruppo Bla)

	CARATTERISTICA TECNICA TECHNICAL PROPERTY CARACTERISTIQUE TECHNIQUE TECHNISCHE DATEN	METODO DI PROVA TESTING METHOD MÉTHODE D'ESSAI PRÜFNORMEN	VALORE PRESCRITTO DELLA NORMA REQUIRED STANDARDS VALEUR PRESCRIPTE PAR LES NORMES NORMVORGABE	VALORI MEDI AVERAGE VALUES VALEURS MOYENNES DURCHSCHNITTSWERTE
	Assorbimento d'acqua Water Absorption Absorption d'eau Wasseraufnahme	UNI EN ISO 10545-3	≤ 0,5%	≤ 0,10%
 Resistenza chimica	Resistenza a basse/alte concentrazioni di acidi/ alcali Resistenza ai prodotti chimici di uso domestico e agli additivi per piscina Resistance to low/high concentrations of alkalis and acids Resistance to household chemical products and swimming pool additives Résistance à faibles/ fortes concentrations d'acides et d'alcalis Résistance aux produits chimiques à usage domestique et aux additifs pour piscine Chemikalien beständigkeit und gegen haushaltschemikalien und badewasserzusätze	UNI EN ISO 10545-13	Classe dichiarata Classe minima B	A · HA · LA
	Resistenza alla flessione Bending Strength Résistance à la flexion Bruchlast	UNI EN ISO 10545-4	R ≥ 35 N / mm ² S > 700 N (spessore < 7,5 mm) S > 1300 N (spessore ≥ 7,5 mm)	sp. 6 mm ≥ 50N/mm ² sp. 8,5 mm ≥ 45N/mm ² sp. 2 cm > 40 N/mm ²
	Resistenza al gelo Frost resistance Résistance au gel Frostbeständigkeit	UNI EN ISO 10545-12	Nessun campione deve presentare rotture o alterazioni apprezzabili della superficie.	Conforme Compliant Conforme Konform
	Resistenza alle macchie Stain resistant Resistance aux taches Fleckbeständigkeit	UNI EN ISO 10545-14	Classe > 3	5
	Resistenza all'abrasione superficiale Superficial abrasion resistance Resistance à la abrasion superficielle PEI Klassifizierung	Classificazione Interna Internal Classification System	Classi di abrasione da I a V	Classe IV : Greige, Nut Classe V : Ecrù, Honey, Ivory
	Resistenza all'abrasione profonda Deep abrasion resistance Résistance à l'abrasion profonde Tiefenverschleiß	UNI EN ISO 10545-6	≤ 175 mm ³	≤ 175 mm ³
	Resistenza allo scivolamento (coefficiente di attrito) Slip resistance (coefficient of friction) Résistance au glissement (coefficient de friction) Rutschfestigkeit (Reibungskoeffizient)	DIN 51130 DIN 51097	Valore dichiarato	
		B.C.R.A. Rep. CEC/81	μ > 0,40	
		Dcof ANSI A137.1:2012	> 0,42	
		BS 7976-2 (pendulum)	0-24 Scivoloso	25-35 Scivolosità moderata

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CARATTERISTICA TECNICA TECHNICAL PROPERTY CARACTERISTIQUE TECHNIQUE TECHNISCHE DATEN		METODO DI PROVA TESTING METHOD MÉTHODE D'ESSAI PRÜFNORMEN	VALORE PRESCRITTO DELLA NORMA REQUIRED STANDARDS VALEUR PRESCRIPTE PAR LES NORMES NORMVORGABE				VALORI MEDI AVERAGE VALUES VALEURS MOYENNES DURCHSCHNITTSWERTE
			N < 7 cm	7 cm ≤ N < 15 cm	N ≥ 15 cm		
			(mm)	(mm)	(mm)	(mm)	
	Lunghezza e larghezza Length and width Longueur et largeur Länge und Breite	ISO 10545-2	± 0,5	± 0,9	± 0,6	± 2,0	Conforme Compliant Conforme Konform
	Spessore Thickness épaisseur Dicke		± 0,5	± 0,5	± 0,5	± 0,5	Conforme Compliant Conforme Konform
	Rettilinearità degli spigoli Straightness of sides Rectitude des bords Geradheit der kanten		n.a.	± 0,75	± 0,5	± 1,5	Conforme Compliant Conforme Konform
	Ortogonalità Squareness Rectangularité Rechtwinkligkeit		n.a.	± 0,75	± 0,5	± 2,0	Conforme Compliant Conforme Konform
	Planarità Planarity Planéité de surface Ebenflächigkeit		c.c. / n.a e.c. / n.a w. / n.a	c.c. ± 0,75 e.c. ± 0,75 w. ± 0,75	c.c. ± 0,5 e.c. ± 0,5 w. ± 0,5	c.c. ± 2,0 e.c. ± 2,0 w. ± 2,0	Conforme Compliant Conforme Konform
	Dilatazione termica lineare Linear thermal expansion Dilatation thermique linéaire Lineare Wärmeausdehnung	ISO 10545-8	Valore dichiarato Declared value Valeur déclarée Deklariertes Wert				$\alpha \leq 7 \cdot 10^{-6} \text{ } ^\circ\text{C}^{-1}$
	Reazione al fuoco Reaction to fire Réaction au feu Brandverhalten	EN 13823 EN 9239-1	CPR (UE) 305/2011, 2000/147/CE, UNI EN 13501-1				Classe A1 (parete/wall) Classe A1fl (pavimento/ floor)
	Conducibilità termica Thermal conductivity Conductivité thermique Wärmeleitfähigkeit	EN 12524	-				$\lambda = 1,3 \text{ W/m}^2\text{K}$