

TECHNICAL DATA

BASIC CHARACTERISTICS

NAME:	Metro Graphite 45x45	DATE:	13/11/2025 14:21
COLOR:	Graphite	CODE:	191108
NOMINAL MEASUREMENTS (cm)	45x45	GROUP (E %):	Group BIIa. Annex J
THICKNESS (mm):	8.7	WORK SIZE (mm):	450x450
RECTIFIED:			
WATER ABSORPTION:	UNE-EN ISO 10545-3	s	

 DIMENSIONAL STABILITY AND SURFACE ASPECT
 UNE-EN ISO 10545-2 (ISO-13006:2018 UNE-EN 14411:2016)

	NORMATIVE	RESULT
DEVIATIONS LENGTH AND WIDTH:	UNE-EN ISO 10545-2	Pass
STRAIGHTNESS:	UNE-EN ISO 10545-2	Pass
RECTANGULARITY:	UNE-EN ISO 10545-2	Pass
SURFACE FLATNESS:	UNE-EN ISO 10545-2	Pass
DEVIATION THICKNESS	UNE-EN ISO 10545-2	Pass

 MECHANICAL CHARACTERISTICS
 UNE-EN ISO 10545-4-7-11-12 (ISO-13006:2018 UNE-EN 14411:2016)

	NORMATIVE	RESULT
RESISTANCE TO CRACKING:	UNE-EN ISO 10545-11	Complies
RESISTANCE TO THERMAL SHOCK:	UNE-EN ISO 10545-9	Complies
MODULUS OF RUPTURE:	UNE-EN ISO 10545-4	Mín. 20
BREAKING STRENGTH:	UNE-EN ISO 10545-4	Mín. 1000
IMPACT RESISTANCE (Coef. Restitution):	UNE-EN ISO 10545-5	
FROST RESISTANCE:	UNE-EN ISO 10545-12	
	NORMATIVE	CLASS
DEEP ABRASION RESISTANCE:	UNE-EN ISO 10545-6	
ABRASION RESISTANCE (PEI method):	UNE-EN ISO 10545-7	2
COEF. OF LINEAL THERMAL EXPANSION:	UNE-EN ISO 10545-8	

 CHEMICAL AGENTS RESISTANCE (acids, bases and home cleaning products)
 UNE-EN ISO 10545-13-14:1995 (ISO-13006:2018 UNE-EN 14411:2016)

	NORMATIVE	CLASS
RESISTANCE TO LOW CONCENTRATIONS OF ACIDS AND BASES: AC. CHLORHYDRIIC - CITRIC AC. CITRIC - POTASSIUM HYDROXIDE:	UNE-EN ISO 10545-13	LA
RESISTANCE TO HIGH CONCENTRATIONS OF ACIDS AND BASES: AC. CHLORHYDRIUM - AC. LACTIC - AC. POTASSIUM HYDROXIDE:	UNE-EN ISO 10545-13	HA
AMONIUM CHLORIDE:	UNE-EN ISO 10545-13	A
SODIUM HYPOCHLORITE:	UNE-EN ISO 10545-13	A
GREEN/RED AGENT IN LIGHT OIL:	UNE-EN ISO 10545-14	5
IODINE SOLUTION:	UNE-EN ISO 10545-14	5
OLIVE OIL:	UNE-EN ISO 10545-14	5

 SLIPNESS COEFFICIENT
 UNE-EN ISO 12633:2003, DIN-51097, DIN-51130, ASTM C-1028/96

	RESULT
DIN-51097:1992 (Bare foot wet ground)	
DIN-51130 (Ramp)	
ASTM C1028 96 (Dynamic coefficient of friction)	
UNE-41901:2017 EX (Wet pendulum)	-
PTV BS 7976-2 and BS 13036-4 (Pendulum test value British Standard)	
DCOF ANSI A137.1-2012 (Dynamic Coefficient of Friction)	

 RESISTANT TO FIRE
 UNE-EN 13501-1

RESULT	A1
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