



carmen
CERAMIC ART

Technical characteristics report

Serial: SPUTNIK

Size: 30x60

Porcelain tiles

Norm: UNE-EN 14411

Group: Bla

Sputnik Lapatto Cinder

Name, Test	European norm	Value
Size, thickness, side straightness, flatness, orthogonality	UNE-EN 14411	It accomplishes all requirements
Water absorption capacity	EN ISO 10545-03	< 0,2%
Flexion resistance	EN ISO 10545-04	> 50 N/mm ²
Resistance to the abrasion, method PEI	EN ISO 10545-07	III (1500 rev.)
Hardness degree, method MOHS	UNE 67-101-92	6
Thermal shock resistance	EN ISO 10545-9	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	It stands the test
Resistance to acids	EN ISO 10545-13	GLA
Resistance to alcalis	EN ISO 10545-13	GHA
Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products to swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5
Slip resistance (Rd)	UNE-ENV 12633:2003	Class 1 (30°)



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Name, Test	European norm	Value
Size, thickness, side straightness, flatness, orthogonality	UNE-EN 14411	It accomplishes all requirements
Water absorption capacity	EN ISO 10545-03	< 0,2%
Flexion resistance	EN ISO 10545-04	> 50 N/mm ²
Resistance to the abrasion, method PEI	EN ISO 10545-07	IV
Hardness degree, method MOHS	UNE 67-101-92	6
Thermal shock resistance	EN ISO 10545-9	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	It stands the test
Resistance to acids	EN ISO 10545-13	GLA
Resistance to alcalis	EN ISO 10545-13	GHA
Resistance to cleaning products	EN ISO 10545-13	GA
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Cracking resistance	EN ISO 10545-11	It stands the test
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Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products to swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5
Slip resistance (Rd)	UNE-ENV 12633:2003	Class 1 (30º)



Technical characteristics report

Serial: SPUTNIK	Size: 80x80
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Porcelain tiles	Norm: UNE-EN 14411	Group: Bla
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Sputnik Lapatto Graphite

Name, Test	European norm	Value
Size, thickness, side straightness, flatness, orthogonality	UNE-EN 14411	It accomplishes all requirements
Water absorption capacity	EN ISO 10545-03	< 0,2%
Flexion resistance	EN ISO 10545-04	> 50 N/mm ²
Resistance to the abrasion, method PEI	EN ISO 10545-07	IV
Hardness degree, method MOHS	UNE 67-101-92	6
Thermal shock resistance	EN ISO 10545-9	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	It stands the test
Resistance to acids	EN ISO 10545-13	GLA
Resistance to alcalis	EN ISO 10545-13	GHA
Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products to swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5
Slip resistance (Rd)	UNE-ENV 12633:2003	Class 1 (30º)



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Technical characteristics report

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Porcelain tiles

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Group: Bla

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Name, Test	European norm	Value
Size, thickness, side straightness, flatness, orthogonality	UNE-EN 14411	It accomplishes all requirements
Water absorption capacity	EN ISO 10545-03	< 0,2%
Flexion resistance	EN ISO 10545-04	> 50 N/mm ²
Resistance to the abrasion, method PEI	EN ISO 10545-07	IV
Hardness degree, method MOHS	UNE 67-101-92	6
Thermal shock resistance	EN ISO 10545-9	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	It stands the test
Resistance to acids	EN ISO 10545-13	GLA
Resistance to alcalis	EN ISO 10545-13	GHA
Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products to swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5
Slip resistance (Rd)	UNE-ENV 12633:2003	Class 1 (30°)



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Porcelain tiles Norm: UNE-EN 14411 Group: Bla

Sputnik Natural Graphite

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Size, thickness, side straightness, flatness, orthogonality	UNE-EN 14411	It accomplishes all requirements
Water absorption capacity	EN ISO 10545-03	< 0,2%
Flexion resistance	EN ISO 10545-04	> 50 N/mm ²
Resistance to the abrasion, method PEI	EN ISO 10545-07	III (1500 rev.)
Hardness degree, method MOHS	UNE 67-101-92	8
Thermal shock resistance	EN ISO 10545-9	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	It stands the test
Resistance to acids	EN ISO 10545-13	GLA
Resistance to alcalis	EN ISO 10545-13	GHA
Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products to swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5
Slip resistance (Rd)	UNE-ENV 12633:2003	Class 2 (41°)
Slip resistance	DIN 51130:2004	R 12



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Size, thickness, side straightness, flatness, orthogonality	UNE-EN 14411	It accomplishes all requirements
Water absorption capacity	EN ISO 10545-03	< 0,2%
Flexion resistance	EN ISO 10545-04	> 50 N/mm ²
Resistance to the abrasion, method PEI	EN ISO 10545-07	IV (2100 rev.)
Hardness degree, method MOHS	UNE 67-101-92	8
Thermal shock resistance	EN ISO 10545-9	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	It stands the test
Resistance to acids	EN ISO 10545-13	GLA
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Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products to swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5
Slip resistance (Rd)	UNE-ENV 12633:2003	Class 2 (41°)
Slip resistance	DIN 51130:2004	R 12