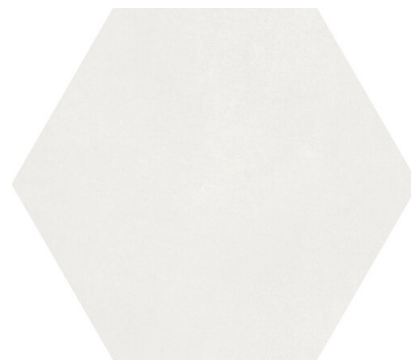


CARMEN

true tiles

MACBA COCONUT MILK 23X26

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037097	23X26	8,60	PC BIB



DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality UNE-EN 14411 It accomplished all requirements

PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	0,5% < E < 3%
Flexion resistance	EN ISO 10545-04	=> 35 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	IV
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

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 in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

ANTI-SLIP CHARACTERISTICS

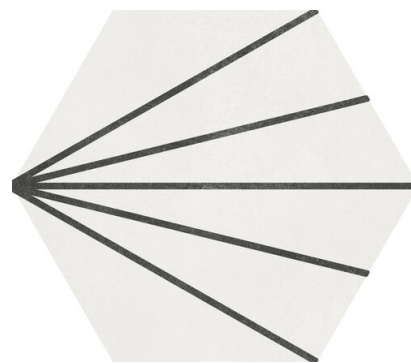
Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (DCOF)	ANSI A326.3	0.74

CARMEN

true tiles

SUNNY COCONUT MILK 23X26

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037105	23X26	8,30	PC BIB



DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality UNE-EN 14411 It accomplished all requirements

PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	0,5% < E < 3%
Flexion resistance	EN ISO 10545-04	=> 35 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	IV
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

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 in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

ANTI-SLIP CHARACTERISTICS

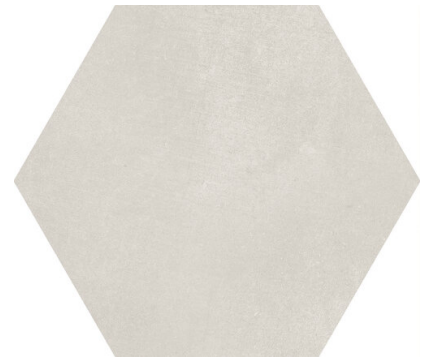
Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (barefeet)	EN 16165-A	B
Slip resistance (DCOF)	ANSI A326.3	0.74

CARMEN

true tiles

MACBA PEARL 23X26

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037101	23X26	8,90	PC BIB



DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality	UNE-EN 14411	It accomplished all requirements
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PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	0,5% < E < 3%
Flexion resistance	EN ISO 10545-04	=> 35 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	IV
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

Resistance to acids	EN ISO 10545-13	GLA
Resistance to alkalis	EN ISO 10545-13	GHA
Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

ANTI-SLIP CHARACTERISTICS

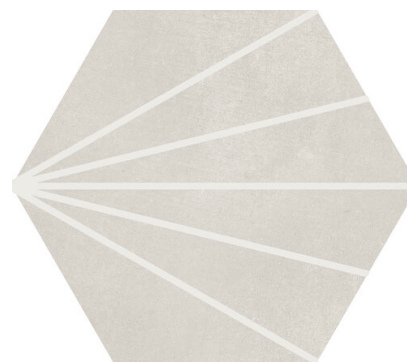
Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (DCOF)	ANSI A326.3	0.74

CARMEN

true tiles

SUNNY PEARL 23X26

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037109	23X26	8,60	PC BIA GL



DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality	UNE-EN 14411	It accomplished all requirements
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PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	< 0,5%
Flexion resistance	EN ISO 10545-04	=> 35 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	IV
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

Resistance to acids	EN ISO 10545-13	GLA
Resistance to alkalis	EN ISO 10545-13	GHA
Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

ANTI-SLIP CHARACTERISTICS

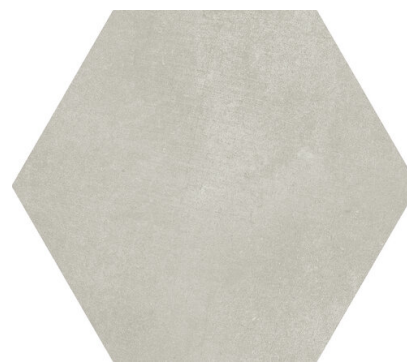
Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (barefeet)	EN 16165-A	B
Slip resistance (DCOF)	ANSI A326.3	0.74

CARMEN

true tiles

MACBA GREY 23X26

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037100	23X26	8,50	PC BIB



DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality UNE-EN 14411 It accomplished all requirements

PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	0,5% < E < 3%
Flexion resistance	EN ISO 10545-04	=> 30 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	III
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

Resistance to acids	EN ISO 10545-13	GLA
Resistance to alkalis	EN ISO 10545-13	GHA
Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

ANTI-SLIP CHARACTERISTICS

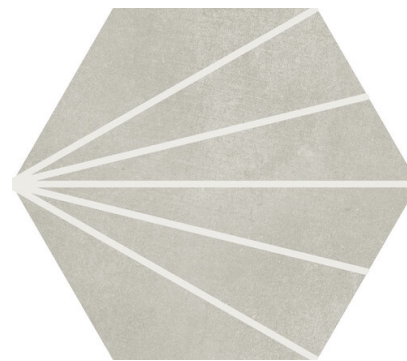
Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (DCOF)	ANSI A326.3	0.74

CARMEN

true tiles

SUNNY GREY 23X26

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037108	23X26	8,50	PC BIB



DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality UNE-EN 14411 It accomplished all requirements

PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	0,5% < E < 3%
Flexion resistance	EN ISO 10545-04	=> 30 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	III
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

Resistance to acids	EN ISO 10545-13	GLA
Resistance to alkalis	EN ISO 10545-13	GHA
Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

ANTI-SLIP CHARACTERISTICS

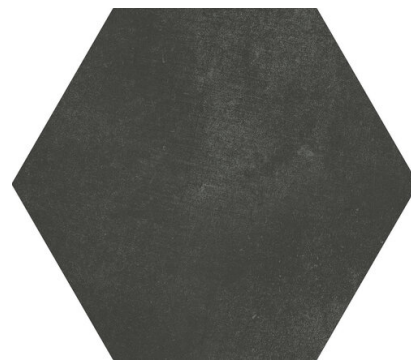
Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (barefeet)	EN 16165-A	B
Slip resistance (DCOF)	ANSI A326.3	0.74

CARMEN

true tiles

MACBA OBSIDIANA 23X26

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037095	23X26	8,30	PC BIB



DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality UNE-EN 14411 It accomplished all requirements

PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	0,5% < E < 3%
Flexion resistance	EN ISO 10545-04	=> 30 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	II
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

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 in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

ANTI-SLIP CHARACTERISTICS

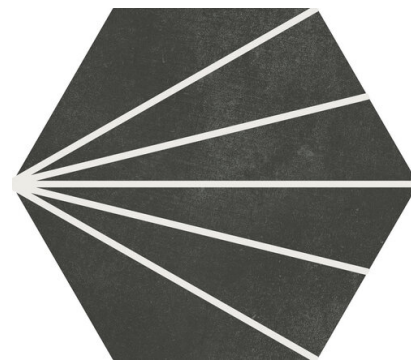
Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (DCOF)	ANSI A326.3	0.74

CARMEN

true tiles

SUNNY OBSIDIANA 23X26

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037103	23X26	8,50	PC BIA GL



DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality UNE-EN 14411 It accomplished all requirements

PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	< 0,5%
Flexion resistance	EN ISO 10545-04	=> 30 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	II
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

Resistance to acids	EN ISO 10545-13	GLA
Resistance to alkalis	EN ISO 10545-13	GHA
Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

ANTI-SLIP CHARACTERISTICS

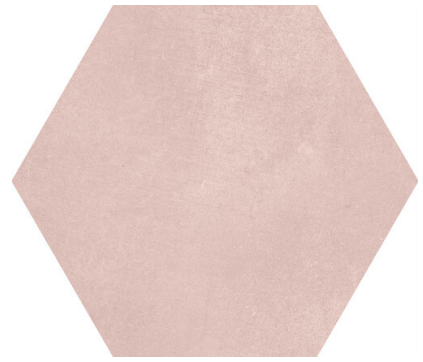
Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (barefeet)	EN 16165-A	B
Slip resistance (DCOF)	ANSI A326.3	0.74

CARMEN

true tiles

MACBA ROSE QUARTZ 23X26

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037094	23X26	8,70	PC BIB



DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality UNE-EN 14411 It accomplished all requirements

PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	0,5% < E < 3%
Flexion resistance	EN ISO 10545-04	=> 30 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	III
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

Resistance to acids	EN ISO 10545-13	GLA
Resistance to alkalis	EN ISO 10545-13	GHA
Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

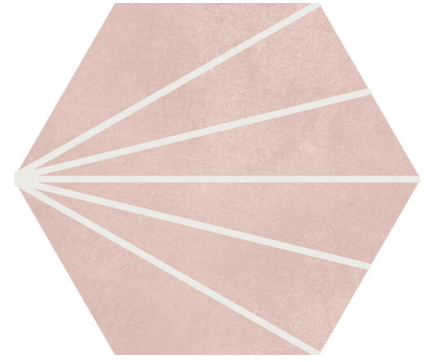
ANTI-SLIP CHARACTERISTICS

Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (DCOF)	ANSI A326.3	0.74

CARMEN

true tiles

SUNNY ROSE QUARTZ 23X26



REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037102	23X26	8,70	PC BIA GL

DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality UNE-EN 14411 It accomplished all requirements

PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	< 0,5%
Flexion resistance	EN ISO 10545-04	=> 30 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	III
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

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 in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

ANTI-SLIP CHARACTERISTICS

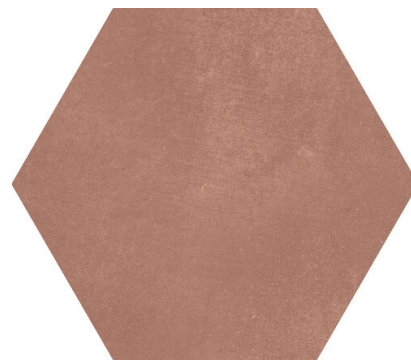
Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (barefeet)	EN 16165-A	B
Slip resistance (DCOF)	ANSI A326.3	0.74

CARMEN

true tiles

MACBA TERRACOTA 23X26

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037096	23X26	8,60	PC BIB



DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality UNE-EN 14411 It accomplished all requirements

PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	0,5% < E < 3%
Flexion resistance	EN ISO 10545-04	=> 35 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	II
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

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 in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

ANTI-SLIP CHARACTERISTICS

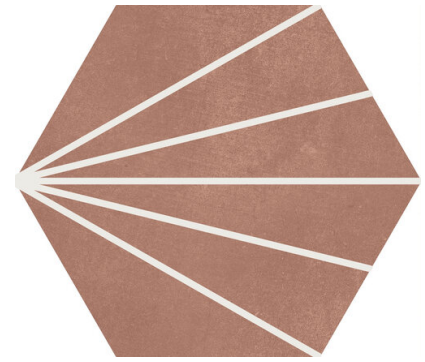
Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (DCOF)	ANSI A326.3	0.74

CARMEN

true tiles

SUNNY TERRACOTA 23X26

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037104	23X26	8,60	PC BIB



DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality	UNE-EN 14411	It accomplished all requirements
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PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	0,5% < E < 3%
Flexion resistance	EN ISO 10545-04	=> 35 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	II
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

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 in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

ANTI-SLIP CHARACTERISTICS

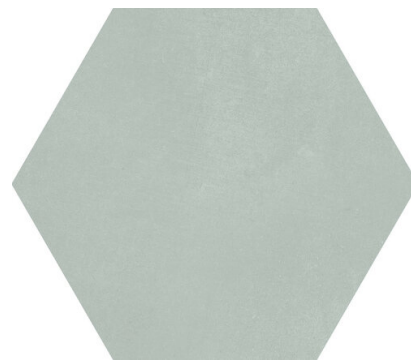
Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (barefeet)	EN 16165-A	B
Slip resistance (DCOF)	ANSI A326.3	0.74

CARMEN

true tiles

MACBA PALLADIUM 23X26

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037098	23X26	8,50	PC BIB



DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality UNE-EN 14411 It accomplished all requirements

PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	0,5% < E < 3%
Flexion resistance	EN ISO 10545-04	=> 35 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	III
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

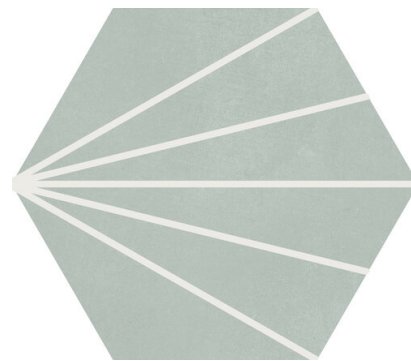
Resistance to acids	EN ISO 10545-13	GLA
Resistance to alkalis	EN ISO 10545-13	GHA
Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

ANTI-SLIP CHARACTERISTICS

Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (DCOF)	ANSI A326.3	0.74

CARMEN

true tiles



SUNNY PALLADIUM 23X26

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037106	23X26	8,30	PC BIB

DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality	UNE-EN 14411	It accomplished all requirements
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PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	0,5% < E < 3%
Flexion resistance	EN ISO 10545-04	=> 35 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	III
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

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 in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

ANTI-SLIP CHARACTERISTICS

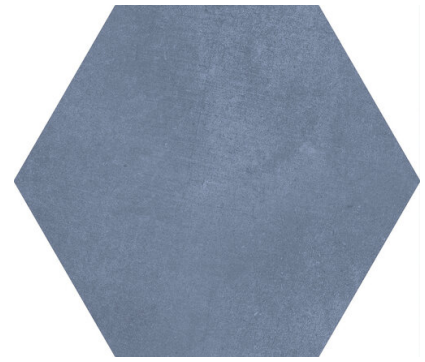
Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (barefeet)	EN 16165-A	B
Slip resistance (DCOF)	ANSI A326.3	0.74

CARMEN

true tiles

MACBA BLUE 23X26

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037099	23X26	8,60	PC BIB



DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality UNE-EN 14411 It accomplished all requirements

PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	0,5% < E < 3%
Flexion resistance	EN ISO 10545-04	=> 30 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	II
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

Resistance to acids	EN ISO 10545-13	GLA
Resistance to alkalis	EN ISO 10545-13	GHA
Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

ANTI-SLIP CHARACTERISTICS

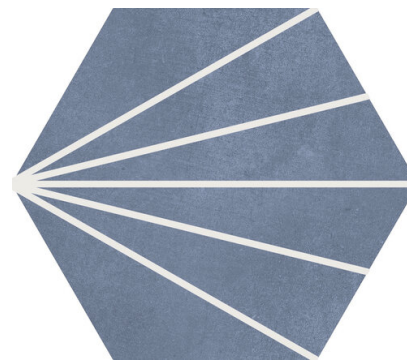
Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (DCOF)	ANSI A326.3	0.74

CARMEN

true tiles

SUNNY BLUE 23X26

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
A037107	23X26	8,70	PC BIB



DIMENSIONS AND SURFACE PROPERTIES

Size, thickness, side straightness, flatness, orthogonality UNE-EN 14411 It accomplished all requirements

PHYSICAL PROPERTIES

Water absorption capacity	EN ISO 10545-03	0,5% < E < 3%
Flexion resistance	EN ISO 10545-04	=> 30 N/mm ²
Abrasion resistance (glazed Ceramic)	EN ISO 10545-07	II
Thermal shock resistance	EN ISO 10545-09	It stands the test
Cracking resistance	EN ISO 10545-11	It stands the test
Frost resistance	EN ISO 10545-12	0.00

CHEMICAL PROPERTIES

Resistance to acids	EN ISO 10545-13	GLA
Resistance to alkalis	EN ISO 10545-13	GHA
Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

ANTI-SLIP CHARACTERISTICS

Slip resistance (Rd)	UNE-EN 16165-C	Class 2
Slip resistance (barefeet)	EN 16165-A	B
Slip resistance (DCOF)	ANSI A326.3	0.74