

# CARMEN

true tiles

## TENNESSEE WHITE 13,8X13,8

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
<b>A036882</b>	13,8x13,8	8,20	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	=> 35 N/mm <sup>2</sup>
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	It stands the test

### 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

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## TENNESSEE WHITE 5,2X16,1

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
<b>A036863</b>	5,2x16,1	8,10	REVESTI



### 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	>10%
Flexion resistance	EN ISO 10545-04	=>12 N/mm <sup>2</sup>
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	Not pass the test

### 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

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## TENNESSEE GREY 13,8X13,8

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
<b>A036884</b>	13,8x13,8	7,70	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	=> 35 N/mm <sup>2</sup>
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	It stands the test

### 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

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## TENNESSEE GREY 5,2X16,1

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
<b>A036865</b>	5,2x16,1	7,60	REVESTI



### 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	>10%
Flexion resistance	EN ISO 10545-04	=>12 N/mm <sup>2</sup>
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	Not pass the test

### 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	0.00
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## TENNESSEE BLACK 13,8X13,8

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
<b>A036883</b>	13,8x13,8	7,90	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	=> 35 N/mm <sup>2</sup>
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	It stands the test

### 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

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## TENNESSEE BLACK 5,2X16,1

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
<b>A036864</b>	5,2x16,1	8,10	REVESTI



### 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	>10%
Flexion resistance	EN ISO 10545-04	=>12 N/mm <sup>2</sup>
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	Not pass the test

### 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

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## TENNESSEE BROWN 13,8X13,8

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
<b>A036886</b>	13,8x13,8	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	=> 35 N/mm <sup>2</sup>
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	It stands the test

### 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

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## TENNESSEE BROWN 5,2X16,1

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
<b>A036867</b>	5,2x16,1	8,10	REVESTI



### 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	>10%
Flexion resistance	EN ISO 10545-04	=>12 N/mm <sup>2</sup>
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	Not pass the test

### 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



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## TENNESSEE GREEN 13,8X13,8

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
<b>A036885</b>	13,8x13,8	7,40	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	=> 35 N/mm <sup>2</sup>
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	It stands the test

### CHEMICAL PROPERTIES

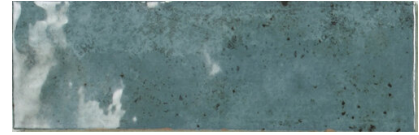
Resistance to acids	EN ISO 10545-13	GLA
Resistance to alkalis	EN ISO 10545-13	GHA
Resistance to cleaning products	EN ISO 10545-13	GA
Resistance to chemical products in swimming pool water	EN ISO 10545-13	GA
Stains resistance	EN ISO 10545-14	5

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## TENNESSEE GREEN 5,2X16,1

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
<b>A036866</b>	5,2x16,1	8,20	REVESTI



### 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	>10%
Flexion resistance	EN ISO 10545-04	=>12 N/mm <sup>2</sup>
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	Not pass the test

### 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

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## TENNESSEE BLUE 13,8X13,8

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
<b>A036887</b>	13,8x13,8	7,80	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	=> 35 N/mm <sup>2</sup>
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	It stands the test

### 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

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## TENNESSEE BLUE 5,2X16,1

REFERENCE	SIZE (cm)	THICKNESS (mm)	GROUP
<b>A036868</b>	5,2x16,1	8,10	REVESTI



### 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	>10%
Flexion resistance	EN ISO 10545-04	=>12 N/mm <sup>2</sup>
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	Not pass the test

### 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