

# TROPIC

*porcelain stoneware*



**CANCOS**  
TILE & STONE



# AZZURRO

*Tropic*

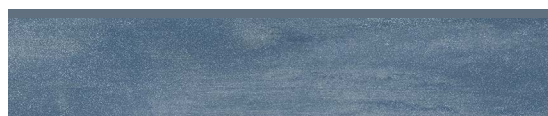


DOMTPAZ210



> 2x10 <

DOMTPAZBN210



> 2x10 bullnose <

DOMTPAZHEX



> 10x8.6 hexagon <



Tropic

# BIANCO

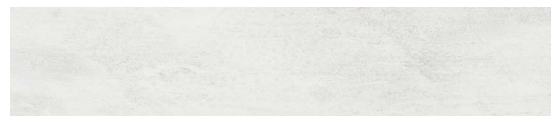


DOMTPBIHEX



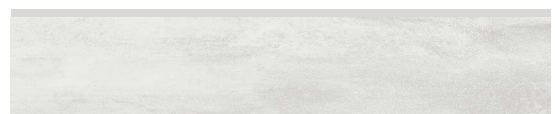
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DOMTPBI210



> 2x10 <

DOMTPBIBN210



> 2x10 bullnose <

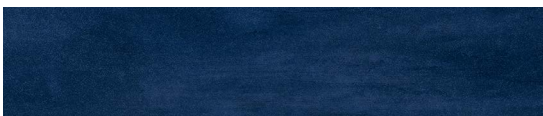


# BLUE

*Tropic*

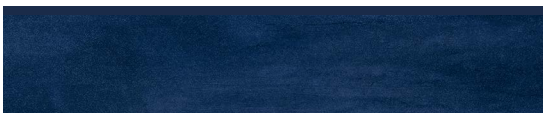


DOMTPBL210



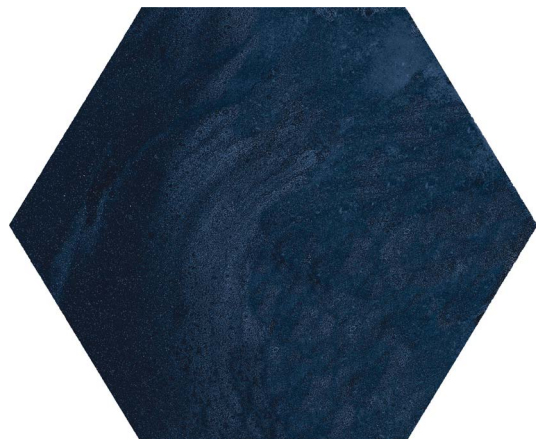
> 2x10 <

DOMTPBLBN210



> 2x10 bullnose <

DOMTPBLHEX



> 10x8.6 hexagon <





Tropic

GRIGIO

DOMTPGRHEX



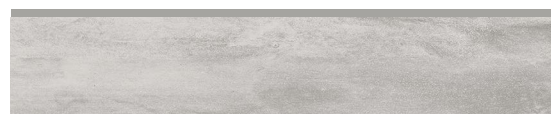
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DOMTPGR210



> 2x10 <

DOMTPGRBN210



> 2x10 bullnose <

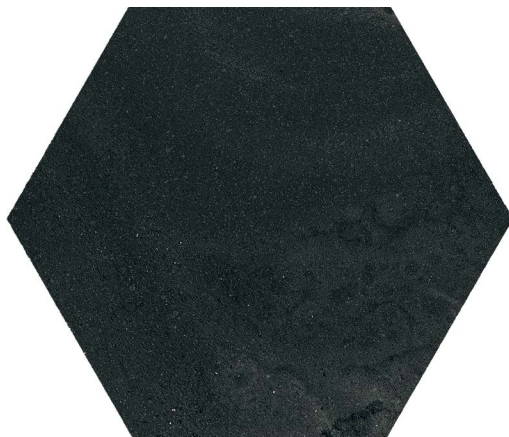


# NERO

*Tropic*



DOMTPNEHEX



> 10x8.6 hexagon <



*Tropic*

# PETROLIO

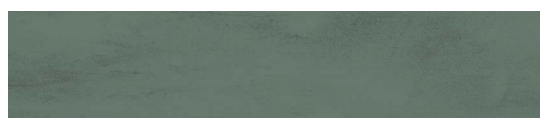


DOMTPPEHEX



> 10x8.6 hexagon <

DOMTPPE210



> 2x10 <

DOMTPPEBN210



> 2x10 bullnose <



# SALVIA

*Tropic*



DOMTPSA210



> 2x10 <

DOMTPSABN210



> 2x10 bullnose <

DOMTPSAHEX



> 10x8.6 hexagon <



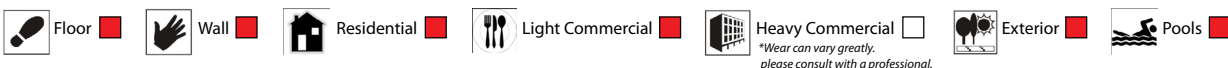
*Tropic*

AZZURRO  
BIANCO  
GRIGIO





# Suggested Applications



# Installation Suggestions

Plank Installation\*  Modular Setting  Joint Size **3mm**

\*Install the offset the width of the plank. For professional installation, the use of leveling spacers for all plank and rectangular (ie. 12x24) format tiles is recommended.

EDGE:  Straight/Pressed  Rustic  Rectified

FINISH:  Matte  Polished  Structured  Honed  Semi-Polished  Glossy

# Porcelain Type

through-body  color-bodied  glazed  unglazed  double-loaded  other \_\_\_\_\_

# Shade Variation

V1 Uniform Appearance  V2 Slight Variation  V3 Moderate Variation  V4 Substantial Variation

THICKNESS: **10mm** # OF FACES: **31**

# Slip Resistance

DCOF	Values	Applications	DIN 51097	Class	Typical Applications	Critical Angle
<input type="checkbox"/>	0.42	Recommended Standard DCOF value for wet/dry commercial flooring	<input type="checkbox"/> A	Barefoot, but mainly dry aisles and walkways, dry changing areas	≥12°	
<input checked="" type="checkbox"/>	0.65	Recommended Standard DCOF value for ADA ramps	<input type="checkbox"/> B	Shower rooms, pool surrounds, wet changing areas, disinfectant spray areas (plus all Class A areas)	≥18°	
<input type="checkbox"/>			<input type="checkbox"/> C	Areas constantly under water, e.g. steps into pools, foot baths, included pool surrounds, jacuzzis (plus all Class A&B areas)	≥24°	

ASTM C-1028  
ANSI A137.1  
DIN 51097/51130

DIN 51130 \*R9: Industry Standard/ADA Requirements \*\*R11: Recommended For Exteriors

R9\* (3-10°)  R10 (10-19°)  R11\*\* (19-27°)  
 R12 (27-35°)  R13 (>35°)

# Scratch Resistance

MINERAL	
1. Talc (Talc)	6. Microline (Glass, Glazed Tile)
2. Gypsum (Fingernail)	7. Quartz (Unglazed Porcelain)
3. Calcite (Penny)	8. Topaz (Granite)
4. Fluorite (Some Marbles)	9. Corundum (Ruby)
5. Apatite (Knife Blade)	10. Diamond (Diamond)

MOH'S SCALE  
UNI EN ISO 10545.6 **5**

Industry standard ≤175mm<sup>2</sup>

# Wear Resistance

PEI RATING  
UNI EN ISO 10545.7

Class 1: Walls only  
 Class 2: Residential floors w/minimal abrasive traffic  
 Class 3: Residential interiors/light commercial traffic  
 Class 4: Medium commercial applications  
 Class 5: All commercial applications/heavy traffic

\*Wear can vary greatly. please consult with a professional.

# Stain Resistance

- 5: Removed after 5 minutes (hot water running)  
4: Removed by manual cleaning (weak detergent)  
3: Removed by mechanical cleaning (strong detergent)  
2: Removed by immersion (24 hrs in suitable solvent)  
1: Stain not removed
- ASTM C1378-04  
UNI EN ISO 10545.14 **5**

# Water Absorption

ASTM C-373  
UNI EN ISO 10545.3

Absorbs 0-.5%  Absorbs .5-3%  Absorbs 3-7%  Absorbs 7% +

Impervious Interior/Exterior Frost Resistant  
 Vitreous Interior/Exterior Frost Resistant  
 Semi-Vitreous Indoor Use Only  
 Non-Vitreous Indoor Use Only

# Breaking Strength

Industry standard should be greater than 250 lbs or 50 N/MM<sup>2</sup>

ASTM C648  
UNI EN ISO 10545.4 **PASS**

# Facial Dimension

ASTM c499-09  
UNI EN ISO 10545.02

	Standard	Tolerance	Result
flatness	±5mm	±.5%	<b>PASS</b>
thickness	±6mm	±.5%	<b>PASS</b>
straightness	±4.5mm	±.5%	<b>PASS</b>
squareness	±5.4mm	±.6%	<b>PASS</b>
sides L/W	±1.1mm ±4.5mm	±.5%	<b>PASS</b>

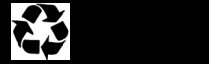
# Chemical Resistance

ASTM C650  
UNI EN ISO 10545.13

Allowances for:

	result
Acid	<b>B</b>
Bases	<b>B</b>
Chemicals	<b>A</b>

# Leed Information



## REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

Sustainable Sites	1 Point	2 Points
Site selection		
SS CREDIT 1 Heat Island Effect-non roof Material with a solar reflectant index of at least 29.	<input type="checkbox"/>	
Energy & Atmosphere		
EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	<input type="checkbox"/>	
Indoor Environmental Quality		
Low-Emitting Materials-Flooring Systems		
IEQ CREDIT 3.1-7 Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.	<input type="checkbox"/>	
IEQ CREDIT 4.1 Low Emitting Adhesives: Products less than 65 G/L VOC	<input type="checkbox"/>	
IEQ CREDIT 4.3 Low Emitting Materials: Flooring systems.	<input type="checkbox"/>	
Materials & Resources		
M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	50% <input type="checkbox"/>	70% <input type="checkbox"/>
M&R CREDIT 4.1-4.2 Recycled Content: The sum of post consumer plus 1/2 of the pre consumer reps at least 10-20% of total value of materials.	10% <input type="checkbox"/>	20% <input type="checkbox"/>
M&R CREDIT 5 Regional Materials: Materials manufactured within 500 miles of the project site.	10% <input type="checkbox"/>	20% <input type="checkbox"/>
Innovation in Design		
ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.		1-5 Points <input type="checkbox"/>

Type: **2"x10" Porcelain Tile**

Product Line: **TROPIC**

\*The marketing name for this product is property of Cancos Tile & Stone. This same product may be marketed under different names.\*



# Suggested Applications

Floor  Wall  Residential  Light Commercial  Heavy Commercial  Exterior  Pools

\*Wear can vary greatly, please consult with a professional.

# Installation Suggestions

Plank Installation\*  Modular Setting  Joint Size 2mm

\*Install the offset the width of the plank. For professional installation, the use of leveling spacers for all plank and rectangular (ie. 12x24) format tiles is recommended.

EDGE:  Straight/Pressed  Rustic  Rectified

FINISH:  Matte  Polished  Structured  Honed  Semi-Polished

# Porcelain Type

through-body  color-bodied  glazed  unglazed  double-loaded  other \_\_\_\_\_

# Shade Variation

V1 Uniform Appearance  V2 Slight Variation  V3 Moderate Variation  V4 Substantial Variation

THICKNESS: 10mm  12mm  15mm  18mm  20mm  22mm  25mm

# OF FACES: 2  3  4  5  6

# Slip Resistance

DCOF Values:  0.60  0.42  0.65

Applications: Recommended Standard DCOF value for wet/dry commercial flooring; Recommended Standard DCOF value for ADA ramps

DIN 51130:  R9\* (3-10°)  R10 (10-19°)  R11\*\* (19-27°)  R12 (27-35°)  R13 (>35°)

DIN 51097:
 

Class	Typical Applications	Critical Angle
<input type="checkbox"/> A	Barefoot, but mainly dry aisles and walkways, dry changing areas	≥12°
<input checked="" type="checkbox"/> B	Shower rooms, pool surrounds, wet changing areas, disinfectant spray areas (plus all Class A areas)	≥18°
<input type="checkbox"/> C	Areas constantly under water, e.g. steps into pools, foot baths, included pool surrounds, jacuzzis (plus all Class A&B areas)	≥24°

ASTM C-1028  
 ANSI A137.1  
 DIN 51097/51130

# Scratch Resistance

MINERAL:
 

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4. Flourite (Some Marbles)	9. Corundum (Ruby)
5. Apatite (Knife Blade)	10. Diamond (Diamond)

Industry standard ≤175mm<sup>2</sup>

MOH'S SCALE  
 UNI EN ISO 10545.6 **6**

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 UNI EN ISO 10545.7

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ASTM C1378-04  
 UNI EN ISO 10545.14 **5**

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 UNI EN ISO 10545.4 **PASS**

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# Facial Dimension

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 UNI EN ISO 10545.02

	Standard	Tolerance	Result
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straightness	±4.5mm	±.5%	<b>PASS</b>
squareness	±5.4mm	±.6%	<b>PASS</b>
sides L/W	±1.1mm / ±4.5mm	±.5%	<b>PASS</b>

# Chemical Resistance

ASTM C650  
 UNI EN ISO 10545.13

Allowances for:
 

	result
Acid	<b>A</b>
Bases	<b>A</b>
Chemicals	<b>A</b>

# Leed Information



REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

Category	Requirement	Points
Sustainable Sites	Site selection	1 Point
	SS CREDIT 1 Heat Island Effect-non roof Material with a solar reflectant index of at least 29.	<input type="checkbox"/>
Energy & Atmosphere	EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	1 Point
	EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	<input type="checkbox"/>
Indoor Environmental Quality	Low-Emitting Materials-Flooring Systems	1 Point
	IEQ CREDIT 3.1-7 Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.	<input type="checkbox"/>
	IEQ CREDIT 4.1 Low Emitting Adhesives: Products less than 65 G/L VOC	<input type="checkbox"/>
	IEQ CREDIT 4.3 Low Emitting Materials: Flooring systems.	<input type="checkbox"/>
Materials & Resources	M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	1 Point
	M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	50% <input type="checkbox"/> 70% <input type="checkbox"/>
	M&R CREDIT 4.1-4.2 Recycled Content: The sum of post consumer plus 1/2 of the pre consumer reps at least 10-20% of total value of materials.	10% <input type="checkbox"/> 20% <input type="checkbox"/>
	M&R CREDIT 5 Regional Materials: Materials manufactured within 500 miles of the project site.	10% <input type="checkbox"/> 20% <input type="checkbox"/>
Innovation in Design	Innovation in Design	1-5 Points
	ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.	<input type="checkbox"/>

Type: **10"x8.6" Hex Mosaic**

Product Line: **TROPIC**

\*The marketing name for this product is property of Cancos Tile & Stone. This same product may be marketed under different names.\*



AZZURRO  
SALVIA

*Tropic*

