

ROYAL

porcelain collection



CANCOS
TILE & STONE

CALACATTA GOLD

Royal



M ELEROCG2448
P ELEROCG2448L



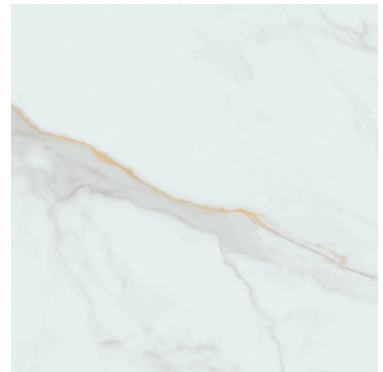
- 24x48 -

M ELEROCG1224
P ELEROCG1224L



- 12x24 -

M ELEROCG24



- 24x24 -

M ELEROCGMOS22



- 2x2 mosaic -

M ELEROCGHEX



- hex mosaic -

M ELEROCGHER



- herringbone -

M ELEROCGWEAVE



- basketweave -

M ELEROCGBN224
P ELEROCGBN224L



- 2x24 bullnose -

M = MATTE FINISH
P = POLISHED FINISH

Royal

DOLOMITE



M ELERODO2448
P ELERODO2448L



- 24x48 -

M ELERODO1224
P ELERODO1224L



- 12x24 -

M ELERODO24



- 24x24 -

M ELERODOMOS22



- 2x2 mosaic -

M ELERODOHEX



- hex mosaic -

M ELERODOHER



- herringbone -

M ELERODOWEAVE



- basketweave -

M ELERODOBN224
P ELERODOBN224L



- 2x24 bullnose -

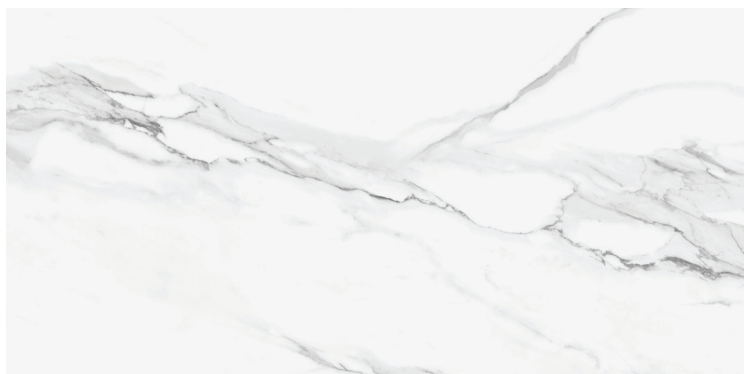
M = MATTE FINISH
P = POLISHED FINISH

STATUARIO

Royal



M ELEROST2448
P ELEROST2448L



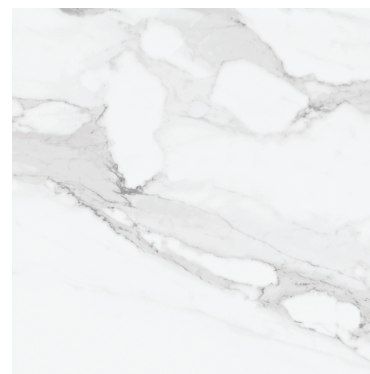
- 24x48 -

M ELEROST1224
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- 12x24 -

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- 2x2 mosaic -

M ELEROSTHEX



- hex mosaic -

M ELEROSTHER



- herringbone -

M ELEROSTWEAVE



- basketweave -

M ELEROSTBN224
P ELEROSTBN224L



- 2x24 bullnose -

M = MATTE FINISH
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Royal



calacatta gold



Royal



dolomite

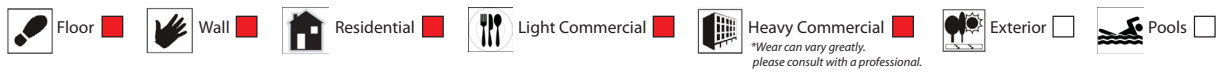


Royal



statuario

Suggested Applications



Installation Suggestions



Porcelain Type

☐ through-body ☐ color-bodied ☒ glazed ☐ unglazed ☐ double-loaded ☐ other _____

Shade Variation



Slip Resistance

DCOF	Values	Applications
0.42	0.42	Recommended Standard DCOF value for wet/dry commercial flooring
	0.65	Recommended Standard DCOF value for ADA ramps

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°)

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

DIN 51097

Class	Typical Applications	Critical Angle
<input checked="" type="checkbox"/> A	Barefoot, but mainly dry aisles and walkways, dry changing areas	≥12°
<input 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°

Scratch Resistance

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

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) |
- Industry standard ≤175mm²

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

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

- 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

Water Absorption

ASTM C-373
UNI EN ISO 10545.3



<input checked="" type="checkbox"/> Absorbs 0-.5%	<input type="checkbox"/> Absorbs .5-3%	<input type="checkbox"/> Absorbs 3-7%	<input type="checkbox"/> Absorbs 7% +
Impervious Interior/Exterior Frost Resistant	Vitreous Interior/Exterior Frost Resistant	Semi-Vitreous Indoor Use Only	Non-Vitreous Indoor Use Only

Breaking Strength

ASTM C648
UNI EN ISO 10545.4 **>50N**



Facial Dimension

ASTM c499-09
UNI EN ISO 10545.02

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

Chemical Resistance

ASTM C650
UNI EN ISO 10545.13



Allowances for:	result
Acid	PASS
Bases	PASS
Chemicals	PASS

Leed Information



REQUIREMENTS
FOR COMMERCIAL
INTERIORS/NEW
CONSTRUCTION

Sustainable Sites	1 Point
Site selection SS CREDIT 1 Heat Island Effect-non roof Material with a solar reflectant index of at least 29.	<input checked="" type="checkbox"/>
Energy & Atmosphere	1 Point
EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	<input checked="" type="checkbox"/>
Indoor Environmental Quality	1 Point
Low-Emitting Materials-Flooring Systems IEQ CREDIT 3.1-7 Green Cleaning: Reducing occupants exposure to hazardous cleaning chemicals.	<input checked="" type="checkbox"/>
IEQ CREDIT 4.1 Low Emitting Adhesives: Products less than 65 G/L VOC	<input checked="" type="checkbox"/>
IEQ CREDIT 4.3 Low Emitting Materials: Flooring systems.	<input checked="" type="checkbox"/>

Materials & Resources	1 Point	2 Points
M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	50% <input type="checkbox"/>	70% <input checked="" 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 checked="" type="checkbox"/>
M&R CREDIT 5 Regional Materials: Materials manufactured within 500 miles of the project site.	10% <input type="checkbox"/>	20% <input checked="" type="checkbox"/>
Innovation in Design	1-5 Points	
ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.	<input checked="" type="checkbox"/>	

Type:
Porcelain (matte)

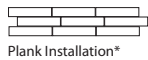
Product Line:
Royal

The marketing name for this product is property of Canco's Tile & Stone. This same product may be marketed under different names.

Suggested Applications

Floor ☒Wall ☒Residential ☒Light Commercial ☒Heavy Commercial ☐
*Wear can vary greatly. please consult with a professional.Exterior ☐Pools ☐

Installation Suggestions



Plank Installation*

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

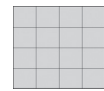
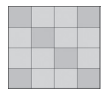
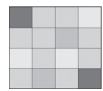
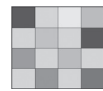
FINISH:

☐ 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:

12x24=9.5mm
24x48=10.5mm

OF FACES:

12x24=64
24x48=17

Slip Resistance

DCOF



Values

0.42

Applications

Recommended Standard DCOF value
for wet/dry commercial flooring

0.65

Recommended Standard DCOF value
for ADA ramps

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°)

DIN 51097

Class

Typical Applications

Critical Angle

☒ A

Barefoot, but mainly dry aisles and walkways, dry changing areas

≥12°

☐ BShower rooms, pool surrounds, wet changing areas,
disinfectant spray areas (plus all Class A areas)

≥18°

☐ CAreas constantly under water, e.g. steps into pools, foot baths,
inclined pool surrounds, jacuzzis (plus all Class A&B areas)

≥24°

ASTM C-1028
ANSI A137.1
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MOH'S SCALE
UNI EN ISO
10545.6

6

MINERAL

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Industry standard ≤175mm²

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Water Absorption

ASTM C-373
UNI EN ISO
10545.3☒ Absorbs 0-.5%Impervious
Interior/Exterior
Frost Resistant☐ Absorbs .5-3%Vitreous
Interior/Exterior
Frost Resistant☐ Absorbs 3-7%Semi-Vitreous
Indoor Use Only☐ Absorbs 7% +Non-Vitreous
Indoor Use Only

Breaking Strength

ASTM C648
UNI EN ISO
10545.4

>50N

Industry standard
should be greater than
250 lbs
or
50 N/MM²

Facial Dimension

ASTM c499-09
UNI EN ISO
10545.02

flatness

Standard
±5mmTolerance
±.5%Result
PASS

thickness

±6mm

±.5%

PASS

straightness

±4.5mm

±.5%

PASS

squareness

±5.4mm

±.6%

PASS

sides L/W

±1.1mm
±4.5mm

±.5%

PASS

Chemical Resistance

ASTM C650
UNI EN ISO
10545.13

Allowances for:

result

Acid ☐ PASSBases ☐ PASSChemicals ☐ PASS

Leed Information

REQUIREMENTS
FOR COMMERCIAL
INTERIORS/NEW
CONSTRUCTION

Sustainable Sites

Site selection

SS CREDIT 1

Heat Island Effect-non roof
Material with a solar reflectant index of at least 29.

1 Point

☒

Energy & Atmosphere

1 Point

EA CREDIT 4

Green Power: Products that optimize energy
performance for floors and walls using thermal
conductivity. BTU-FT☒Indoor Environmental Quality
Low-Emitting Materials-Flooring Systems

1 Point

IEQ CREDIT 3.1-7

Green Cleaning: Reducing occupants exposure
to hazardous cleaning chemicals.☒

IEQ CREDIT 4.1

Low Emitting Adhesives: Products less than
65 G/L VOC☒

IEQ CREDIT 4.3

Low Emitting Materials: Flooring systems.

☒

Materials & Resources

1 Point

2 Points

M&R CREDIT 2

Construction Waste Management:
Recycling salvaged construction
waste in to new reusable materials.50% ☐70% ☒

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% ☐20% ☒

M&R CREDIT 5

Regional Materials: Materials
manufactured within 500 miles
of the project site.10% ☐20% ☒

Innovation in Design

1-5 Points

ID CREDIT 1

Innovation in Design
Measurable exemplary environmental performance.☒Type:
Porcelain (polished)Product Line:
Royal*The marketing name for this product is property of Canco's Tile & Stone.
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