

# Capri

porcelain stoneware



CAVA

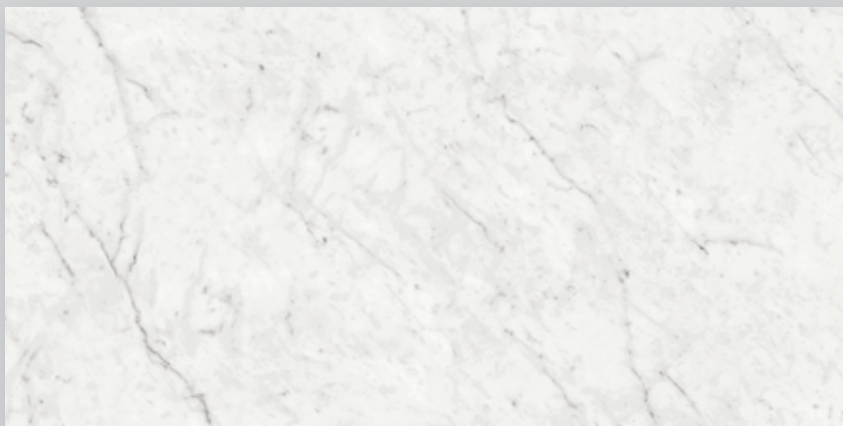
**COBSA USA**

NEW YORK | NEW JERSEY | MIAMI

# CARRARA



ELECACR2448



*satin finish (9 faces)*

| 24x48 |

ELECACR1224



*satin finish (36 faces)*

| 12x24 |

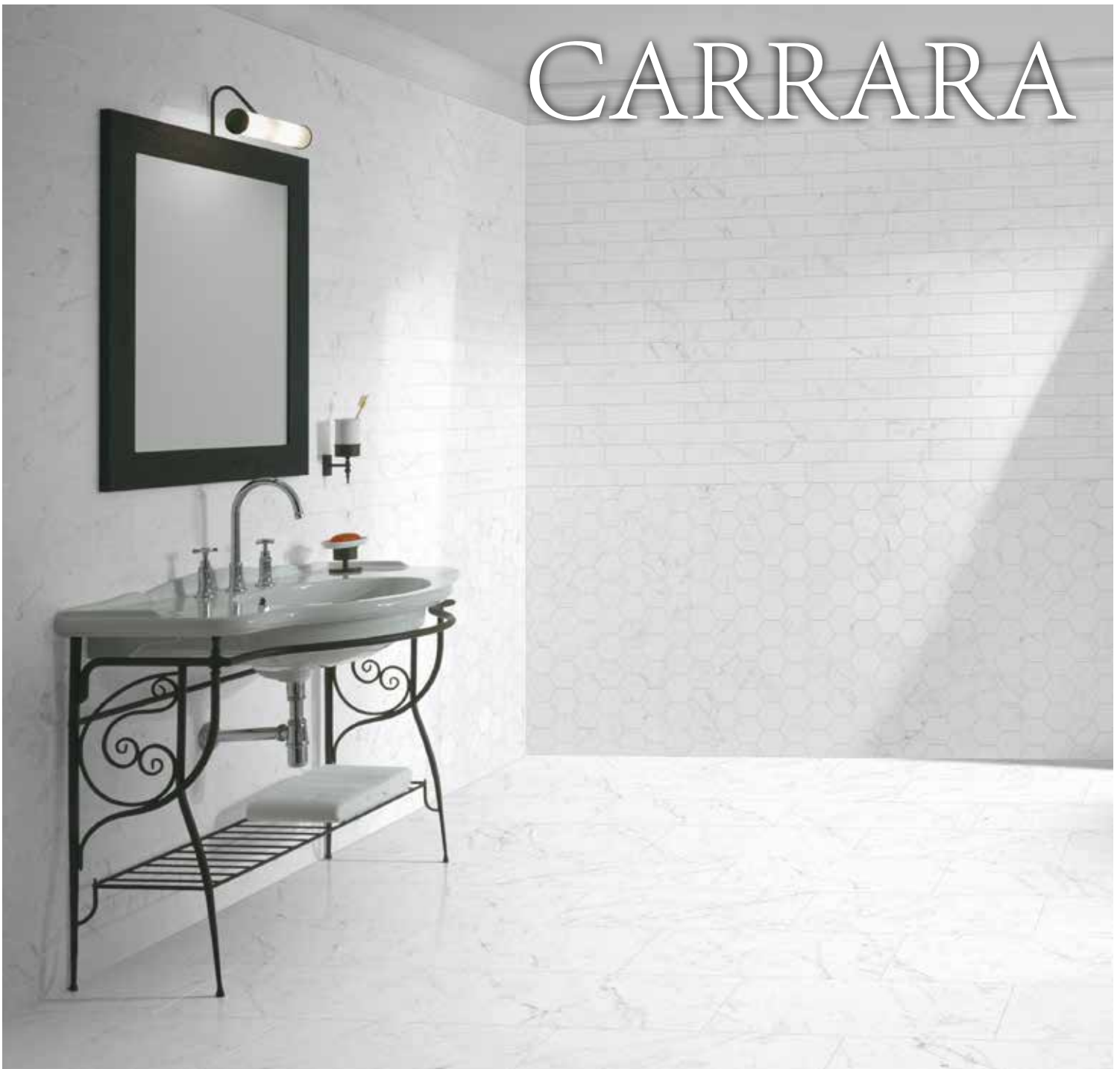
ELECACRBN324



*satin finish*

| 3x24 bullnose |

# CARRARA

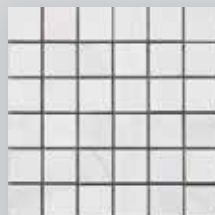


ELECACR24



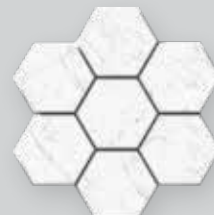
*satin finish (18 faces)* | 24x24 |

ELECACRMOS22



| 2x2 mosaic |  
*satin finish*

ELECACRMOSHEX



| 4x4 hexagon |  
*satin finish*

ELECACR312



*satin finish* | 3x12 |



# CAVA



ELECACV2448L



*polished finish (15 faces)*

| 24x48 |

ELECACV1224



*satin finish (70 faces)*

| 12x24 |

ELECACVBN324



*satin finish*

| 3x24 bullnose |



CAVA

ELECACV24



*satin finish (30 faces)* | 24x24 |

ELECACV24D



*satin finish* | 24x24 deco |

ELECACV312



*satin finish* | 3x12 |

ELECACV2TOR



| 2x12 torello |  
*satin finish*

ELECACVPEN



| 1x12 pencil |  
*satin finish*

ELECACVMOSOCT



| 3x3 octagon |  
*satin finish*

ELECACVMOSINT



| intereccio mosaic |  
*satin finish*

ELECACVMOSHER



| herringbone mosaic |  
*satin finish*

ELECACVMOS22



| 2x2 mosaic |  
*satin finish*

ELECACVMOSHEX



| 4x4 hexagon |  
*satin finish*

# DOLOMITE



ELECADO2448L



*polished finish (23 faces)*

| 24x48 |

ELECADO1224



*satin finish (60 faces)*

| 12x24 |

ELECADOBN324



*satin finish*

| 3x24 bullnose |



# DOLOMITE



ELECADO24



*satin finish (32 faces)* | 24x24 |

ELECADO24D



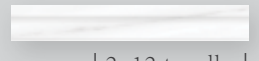
*satin finish* | 24x24 deco |

ELECADO312



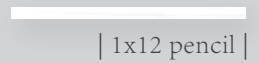
*satin finish* | 3x12 |

ELECADOTOR



| 2x12 torello |  
*satin finish*

ELECADOPEN



| 1x12 pencil |  
*satin finish*

ELECADOMOSLATTL



| lattice mosaic |  
*polished finish*

ELECADOMOSINTL



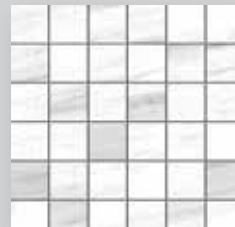
| interecchio mosaic |  
*polished finish*

ELECADOMOSLANTL



| lantern mosaic |  
*polished finish*

ELECADOMOS22



| 2x2 mosaic |  
*satin finish*

ELECADOMOSHEXL



| 4x4 hexagon |  
*polished finish*



CARRARA



CAVA





# 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 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  Satin

# 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: 12x24=36, 24x24=18, 24x48=9

# Slip Resistance

DCOF	Values	Applications
<input checked="" type="checkbox"/> .44	0.42	Recommended Standard DCOF value for wet/dry commercial flooring
<input type="checkbox"/> .65	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
<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, inclined pool surrounds, jacuzzis (plus all Class A&B areas)	≥24°

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

# 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. 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

# 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: 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

≥4

# 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

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

# Facial Dimension

ASTM c499-09  
 UNI EN ISO 10545.02

	Standard	Tolerance	Result
flatness	± 5mm	± .5%	± 2.0mm
thickness	± 6mm	± .5%	± 0.5mm
straightness	± 4.5mm	± .5%	± 1.5mm
squareness	± 5.4mm	± .6%	± 2.0mm
sides L/W	± 1.1mm / ± 4.5mm	± .5%	± 2.0mm

# Chemical Resistance

ASTM C650  
 UNI EN ISO 10545.13

Allowances for:

	result
Acid	LA
Bases	LA
Chemicals	A

# 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"/>
Indoor Environmental Quality	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 checked="" type="checkbox"/>
Materials & Resources	M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	1 Point 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"/>
Materials & Resources	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
Innovation in Design	ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.	<input type="checkbox"/>

Type: Porcelain Stoneware

Product Line: Capri CARRARA

\*The marketing name for this product is property of CobsA-USA. 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 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  Satin

# 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: 12x24=70, 24x24=30, 24x48=15

# Slip Resistance

DCOF	Values	Applications
<input checked="" type="checkbox"/> .44	0.42	Recommended Standard DCOF value for wet/dry commercial flooring
<input checked="" type="checkbox"/> 0.65	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°) **\*DCOF/DIN - SATIN FINISH, ONLY\***

DIN 51097

Class	Typical Applications	Critical Angle
<input checked="" type="checkbox"/> A	Barefoot, but mainly dry aisles and walkways, dry changing areas	≥12°
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<input type="checkbox"/> C	Areas 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  
 DIN 51097/51130

# 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. 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

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

# Stain Resistance

ASTM C1378-04  
 UNI EN ISO 10545.14

- 5: Removed after 5 minutes (hot water running)
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≥4

# 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



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

# Facial Dimension

ASTM c499-09  
 UNI EN ISO 10545.02

	Standard	Tolerance	Result
flatness	± 5mm	± .5%	± 2.0mm
thickness	± 6mm	± .5%	± 0.5mm
straightness	± 4.5mm	± .5%	± 1.5mm
squareness	± 5.4mm	± .6%	± 2.0mm
sides L/W	± 1.1mm ± 4.5mm	± .5%	± 2.0mm

# Chemical Resistance

ASTM C650  
 UNI EN ISO 10545.13

Allowances for:

	result
Acid	LA
Bases	LA
Chemicals	A

# Leed Information



REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

Sustainable Sites	1 Point	Materials & Resources	1 Point	2 Points
Site selection		M&R CREDIT 2		
SS CREDIT 1		Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	50% <input type="checkbox"/>	70% <input type="checkbox"/>
Heat Island Effect-non roof	<input type="checkbox"/>	M&R CREDIT 4.1-4.2		
Material with a solar reflectant index of at least 29.		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"/>
Energy & Atmosphere	1 Point	M&R CREDIT 5		
EA CREDIT 4		Regional Materials: Materials manufactured within 500 miles of the project site.	10% <input type="checkbox"/>	20% <input checked="" type="checkbox"/>
Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	<input type="checkbox"/>	Innovation in Design		1-5 Points
Indoor Environmental Quality	1 Point	ID CREDIT 1		
Low-Emitting Materials-Flooring Systems		Innovation in Design	<input type="checkbox"/>	
IEQ CREDIT 3.1-7		Measurable exemplary environmental performance.		
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 checked="" type="checkbox"/>			

Type: Porcelain Stoneware

Product Line: Capri CAVA

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# 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 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  Satin

# 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: 12x24=60, 24x24=32, 24x48=23

# Slip Resistance

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DIN 51097

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

# Scratch Resistance

MINERAL

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3. Calcite (Penny)	8. Topaz (Granite)
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Industry standard ≤175mm<sup>2</sup>

# Wear Resistance

PEI RATING  
 UNI EN ISO  
 10545.7

- Class 1: Walls only
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ASTM C1378-04  
 UNI EN ISO  
 10545.14 **≥4**

# 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 **>35n/mm<sup>2</sup>**

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

# Facial Dimension

ASTM c499-09  
 UNI EN ISO  
 10545.02

	Standard	Tolerance	Result
flatness	±5mm	±.5%	±2.0mm
thickness	±6mm	±.5%	±0.5mm
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# Chemical Resistance

ASTM C650  
 UNI EN ISO  
 10545.13

Allowances for:

	result
Acid	LA
Bases	LA
Chemicals	A

# Leed Information



REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

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Energy & Atmosphere	1 Point	M&R CREDIT 5		
EA CREDIT 4		Regional Materials: Materials manufactured within 500 miles of the project site.	10% <input type="checkbox"/>	20% <input checked="" type="checkbox"/>
Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	<input type="checkbox"/>	Innovation in Design		1-5 Points
Indoor Environmental Quality	1 Point	ID CREDIT 1		
Low-Emitting Materials-Flooring Systems		Innovation in Design	<input type="checkbox"/>	
IEQ CREDIT 3.1-7		Measurable exemplary environmental performance.		
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"/>			
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