

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 1/8"

*\*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:

9mm

# OF FACES:

15: 8x48  
22: 6x36

Slip Resistance

DCOF

>0.42

Values

0.42

0.65

Applications

Recommended Standard DCOF value for wet/dry commercial flooring

Recommended Standard DCOF value for ADA ramps

ASTM C-1028

ANSI A137.1

DIN 51097/51130

DIN 51130

☒ R9\* (3-10°)

☐ R10 (10-19°)

☐ R11\*\* (19-27°)

☐ R12 (27-35°)

☐ R13 (>35°)

*\*R9: Industry Standard/ADA Requirements*

*\*\*R11: Recommended For Exteriors*

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, inclined 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)

2. Gypsum (Fingernail)

3. Calcite (Penny)

4. Flourite (Some Marbles)

5. Apatite (Knife Blade)

6. Microline (Glass, Glazed Tile)

7. Quartz (Unglazed Porcelain)

8. Topaz (Granite)

9. Corundum (Ruby)

10. Diamond (Diamond)

Industry standard ≤175mm²

Wear Resistance

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.*

PEI RATING

UNI EN ISO 10545.7

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

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

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

thickness

straightness

squareness

sides L/W

Standard	Tolerance	Result
±5mm	±.5%	PASS
±6mm	±.5%	PASS
±4.5mm	±.5%	PASS
±5.4mm	±.6%	PASS
±1.1mm ±4.5mm	±.5%	PASS

Chemical Resistance

ASTM C650

UNI EN ISO 10545.13

Allowances for:

result

Acid

Bases

Chemicals

PASS

PASS

PASS

Leed Information

REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

Sustainable Sites	1 Point
Site selection	
SS CREDIT 1	
Heat Island Effect-non roof	<input checked="" type="checkbox"/>
Material with a solar reflectant index of at least 29.	
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% ☐

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:

Wood-Look Porcelain

Product Line:

Aspen

*\*The marketing name for this product is property of Colsa-USA. This same product may be marketed under different names. \**