

Suggested Applications

Floor ☒

Wall ☒

Residential ☒

Light Commercial ☒

Heavy Commercial ☐
*Wear can vary greatly. please consult with a professional.

Exterior ☒

Pools ☐

Installation Suggestions

Plank Installation* ☐
*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.

Modular Setting ☐

Joint Size **2mm**

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: **12x24=110
24x48=40**

Slip Resistance

DCOF

Values

Applications

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°)

DIN 51097

Class	Typical Applications	Critical Angle
<input 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°

Scratch Resistance

MOH'S SCALE

UNI EN ISO

10545.6

MINERAL

1. Talc (Talc)

2. Gypsum (Fingernail)

3. Calcite (Penny)

4. Fluorite (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

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

3,4

Water Absorption

ASTM C-373

UNI EN ISO

10545.3

☒ Absorbs 0-.5%

☐ Absorbs .5-3%

☐ Absorbs 3-7%

☐ Absorbs 7% +

Impervious

Vitreous

Semi-Vitreous

Non-Vitreous

Interior/Exterior

Interior/Exterior

Indoor Use Only

Indoor Use Only

Frost Resistant

Frost Resistant

Breaking Strength

ASTM C648

UNI EN ISO

10545.4

>45 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

±.5%

PASS

±4.5mm

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

Site selection

1 Point

SS CREDIT 1

Heat Island Effect-non roof

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

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 Stoneware

Product Line: Paradise (polished)

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