

Suggested Applications

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

Installation Suggestions

Plank Installation* ☐Modular Setting ☐Joint Size ☒
1/16"*Install the offset the width of the plank. For professional installation, the use of leveling spacers for all plank and rectangular (i.e. 12x24) format tiles is recommended.

EDGE:

Straight/Pressed ☐Rustic ☐Rectified ☒

FINISH:

Matte ☒Polished ☐Structured ☐Honed ☐Semi-Polished ☐Other ☐

Porcelain Type

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

Shade Variation

V1
Uniform
AppearanceV2
Slight
VariationV3
Moderate
VariationV4
Substantial
Variation

THICKNESS:

9mm

OF FACES:

30

Slip Resistance

DCOF

0.56



Values

0.42

Applications

Recommended Standard DCOF value
for wet/dry commercial flooring
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, inclined pool surrounds, jacuzzis (plus all Class A&B areas)	≥24°

Scratch Resistance

MOH'S SCALE
UNI EN ISO
10545.6

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MINERAL

1. Talc (Talc)
2. Gypsum (Fingernail)
3. Calcite (Penny)
4. Fluorite (Some Marbles)
5. Apatite (Knife Blade)

Industry standard ≤175mm²

6. Microline (Glass, Glazed Tile)
7. Quartz (Unglazed Porcelain)
8. Topaz (Granite)
9. Corundum (Ruby)
10. Diamond (Diamond)

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

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- 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%

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>1300
N/mm²Industry 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

Standard
± 6mmTolerance
± .5%Result
PASS

straightness

Standard
± 4.5mmTolerance
± .5%Result
PASS

squareness

Standard
± 5.4mmTolerance
± .6%Result
PASS

sides L/W

Standard
± 1.1mm
± 4.5mmTolerance
± .5%Result
PASS

Chemical Resistance

ASTM C650
UNI EN ISO
10545.13

Allowances for:

result

Acid ☐ BBases ☐ BChemicals ☐ B

Lead Information

REQUIREMENTS
FOR COMMERCIAL
INTERIORS/NEW
CONSTRUCTIONSustainable 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

EA CREDIT 4

Green Power: Products that optimize energy
performance for floors and walls using thermal
conductivity. BTU-FT

1 Point

Indoor Environmental Quality
Low-Emitting Materials-Flooring Systems

IEQ CREDIT 3.1-7

Green Cleaning: Reducing occupants exposure
to hazardous cleaning chemicals.

1 Point

IEQ CREDIT 4.1

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

1 Point

IEQ CREDIT 4.3

Low Emitting Materials: Flooring systems.

1 Point

Materials & Resources

M&R CREDIT 2

Construction Waste Management:
Recycling salvaged construction
waste in to new reusable materials.

1 Point

2 Points

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

ID CREDIT 1

Innovation in Design

Measurable exemplary environmental performance.

1-5 Points