

ASPEN

porcelain stoneware



ARCE

Aspen



COPASAR636



-6x36-

COPASAR848



-8x48-



COPASHA636



-6x36-

COPASHA848



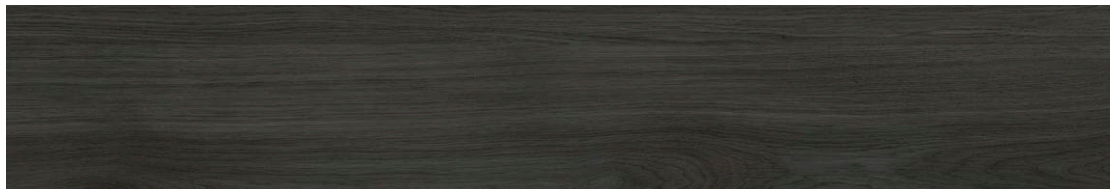
-8x48-

NERO

Aspen

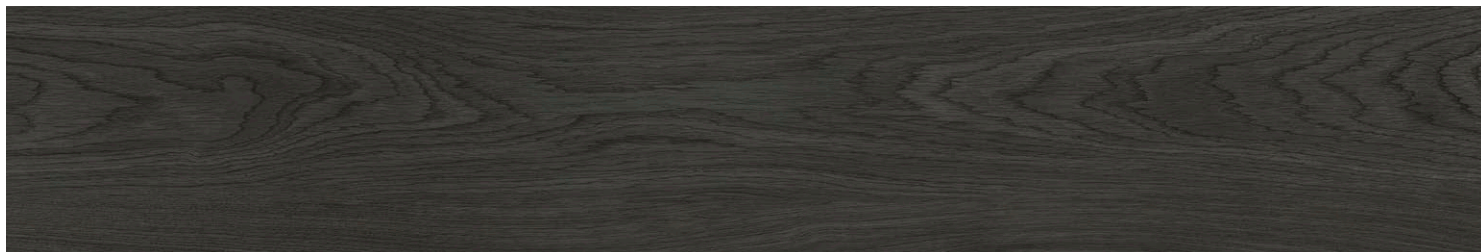


COPASNE636



-6x36-

COPASNE848



-8x48-



COPASPE636



-6x36-

COPASPE848



-8x48-

ROBLE

Aspen



COPASRO636



-6x36-

COPASRO848



-8x48-



Aspen

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
1/8"

*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

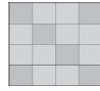
☐ double-loaded

☐ other

Shade Variation



V1
Uniform
Appearance



V2
Slight
Variation



V3
Moderate
Variation



V4
Substantial
Variation

THICKNESS:

9mm

OF FACES:

18: 8x48
24: 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

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

☒ A

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

≥12°

☐ B

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

≥18°

☐ 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

7

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

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%

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

400 lbs



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

Facial Dimension

ASTM c499-09
UNI EN ISO
10545.02

flatness

Standard
±5mm

Tolerance
±.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 PASS

Bases PASS

Chemicals 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:
Wood-Look Porcelain

Product Line:
Aspen

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