

MILAN

porcelain stoneware



COBSA USA
NEW YORK | NEW JERSEY | MIAMI

BEIGE

Milan



ELEMIBE1224



-12x24-

ELEMIBEBN324



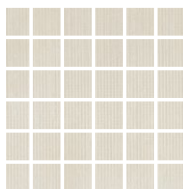
-3x24 bullnose-

ELEMIBEMOSHEX



-hex mosaic-

ELEMIBEMOS22



-2x2 mosaic-

ELEMIBEMOSSTACK



-stack mosaic-

ELEMIBE2448



-24x48-

ELEMIBE2448D



-24x48 deco-

BLUE

Milan



ELEMIBL1224



-12x24-

ELEMIBLBN324



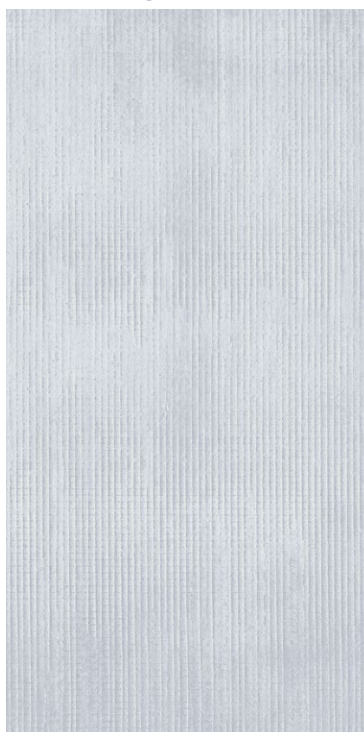
-3x24 bullnose-

ELEMIBLMOSHEX



-hex mosaic-

ELEMIBL2448



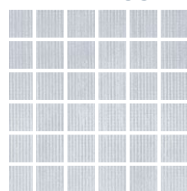
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ELEMIBL2448D



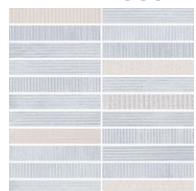
-24x48 deco-

ELEMIBLMOS22



-2x2 mosaic-

ELEMIBLMOSSTACK



-stack mosaic-

GREY

Milan



ELEMIGR1224



-12x24-

ELEMIGRBN324



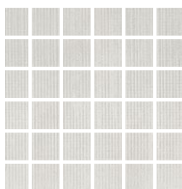
-3x24 bullnose-

ELEMIGRMOSHEX



-hex mosaic-

ELEMIGRMOS22



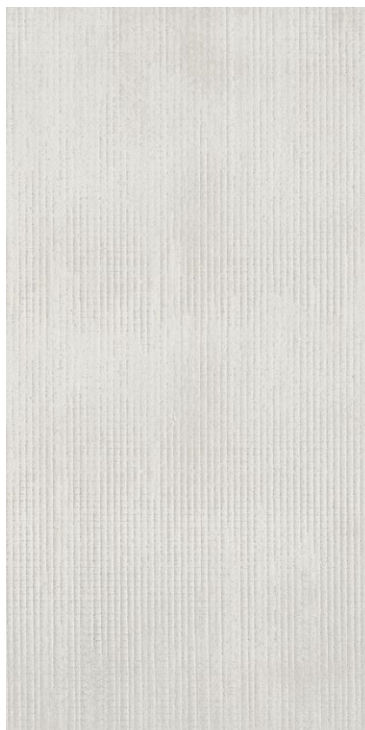
-2x2 mosaic-

ELEMIGRMOSSTACK



-stack mosaic-

ELEMIGR2448



-24x48-

ELEMIGR2448D



-24x48 deco-



ELEMIWH1224



-12x24-

ELEMIWHBN324



-3x24 bullnose-

ELEMIWHMOSHEX



-hex mosaic-

ELEMIWH2448



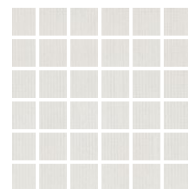
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ELEMIWH2448D



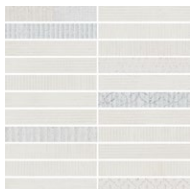
-24x48 deco-

ELEMIWHMOS22



-2x2 mosaic-

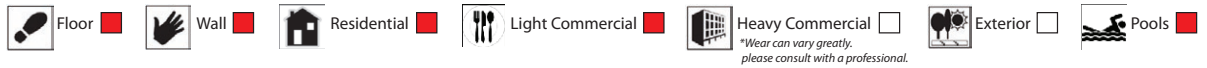
ELEMIWHMOSSTACK



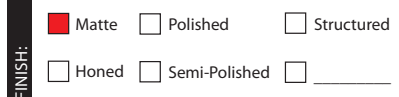
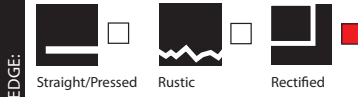
-stack mosaic-



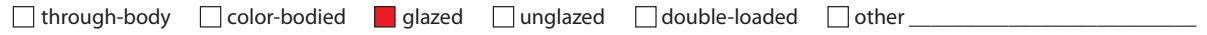
Suggested Applications



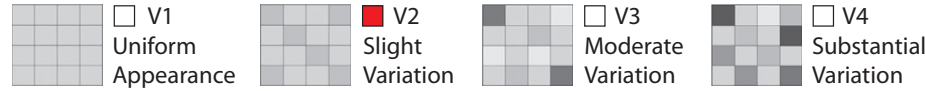
Installation Suggestions



Porcelain Type



Shade Variation



Slip Resistance

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

DCOF	Values	Applications
0.42	0.42	Recommended Standard DCOF value for wet/dry commercial flooring
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°)	

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, included pool surrounds, jacuzzis (plus all Class A&B areas)	≥24°

Scratch Resistance

MOH'S SCALE
UNI EN ISO 10545.6

8

MINERAL

- | | |
|----------------------------|-----------------------------------|
| 1. Talc (Talc) | 6. Microline (Glass, Glazed Tile) |
| 2. Gypsum (Fingernail) | 7. Quartz (Unglazed Porcelain) |
| 3. Calcite (Penny) | 8. Topaz (Granite) |
| 4. Fluorite (Some Marbles) | 9. Corundum (Ruby) |
| 5. Apatite (Knife Blade) | 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



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

PASS



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%	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 **A**

Bases **LA**

Chemicals **HA**

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:
Milan

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



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