

MONACO

porcelain stoneware



COBSA USA
NEW YORK | NEW JERSEY | MIAMI

monaco



BEPMOWH10



white

-10x10-

BEPMOWH310



white

-2.5x10-

BEPMOWHBN



white

-.5x10 jolly-

BEPMOWHKITKAT



white

-5x10 kit-kat-

BEPMOCA10



capri

-10x10-

monaco



BEPMOBL10



blue

-10x10-

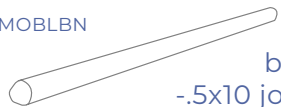
BEPMOBL310



blue

-2.5x10-

BEPMOBLN



blue

-5x10 jolly-

BEPMOBLKITKAT



blue

-5x10 kit-kat-

BEPMOGI10



giglio

-10x10-

monaco



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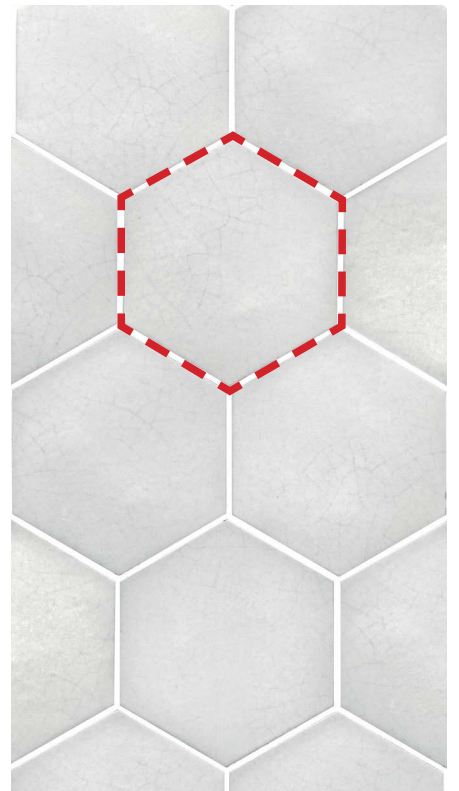
BEPMOWLHEX



(patterns boxed randomly)

white lotus hex -6x7-

BEPMOWHHEX



white hex -6x7-

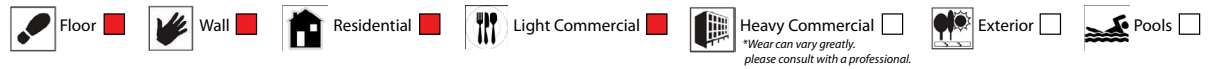


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Suggested Applications



Installation Suggestions



Porcelain Type



13 = White Hex
15 = Lotus Hex
1 = White & Blu 10x10
1 = Capri & Giglio
30 = Blue Kit-Kat
71 = Blu 2.5x10
1 = White Kit-Kat
1 = White 2.5x10

Shade Variation



OF FACES:

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°)

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

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

Scratch Resistance

MOH'S SCALE
UNI EN ISO
10545.6

4

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

Absorbs 0-.5%	Absorbs .5-3%	Absorbs 3-7%	Absorbs 7% +
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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

49.2 N/mm²

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

Lead Information



REQUIREMENTS FOR COMMERCIAL INTERIORS/NEW CONSTRUCTION

Category	Requirement	Points
Sustainable Sites	Site selection	1 Point
	SS CREDIT 1 Heat Island Effect-non roof Material with a solar reflectant index of at least 29.	<input type="checkbox"/>
Energy & Atmosphere	EA CREDIT 4 Green Power: Products that optimize energy performance for floors and walls using thermal conductivity. BTU-FT	<input type="checkbox"/>
	Indoor Environmental Quality Low-Emitting Materials-Flooring Systems	1 Point
Indoor Environmental Quality	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"/>

Category	Requirement	Points
Materials & Resources	M&R CREDIT 2 Construction Waste Management: Recycling salvaged construction waste in to new reusable materials.	1 Point
	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.	2 Points
Materials & Resources	M&R CREDIT 5 Regional Materials: Materials manufactured within 500 miles of the project site.	50% <input checked="" type="checkbox"/> 70% <input type="checkbox"/>
	M&R CREDIT 5 Regional Materials: Materials manufactured within 500 miles of the project site.	10% <input type="checkbox"/> 20% <input checked="" type="checkbox"/>
Innovation in Design	ID CREDIT 1 Innovation in Design Measurable exemplary environmental performance.	10% <input type="checkbox"/> 20% <input type="checkbox"/>
		1-5 Points

Type: **Porcelain Stoneware**

Product Line: **Monaco**

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