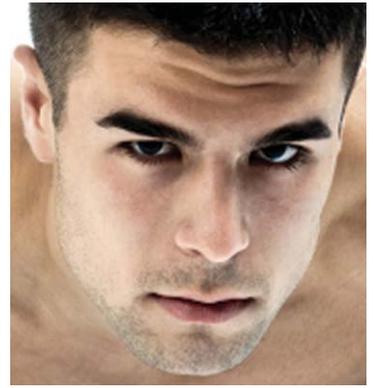


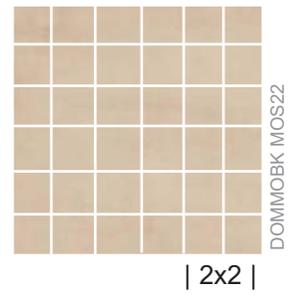
modena
porcelain stoneware



COBSA-USA

NEW YORK | NEW JERSEY | MIAMI

| beige |



| olive |



| 24x24 |

DOMMOOL 24

DOMMOOL BN



| 3x18 |
bullnose



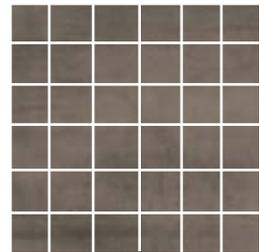
| 18x18 |

DOMMOOL 18



| 12x24 |

DOMMOBOL 1224

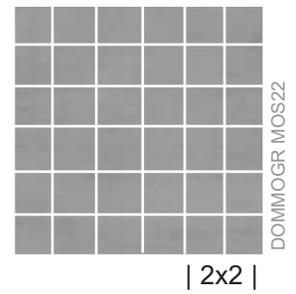


| 2x2 |

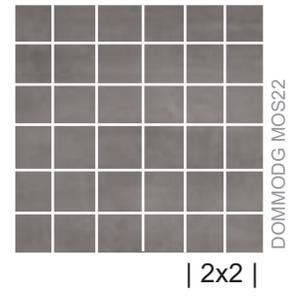
DOMMOOL MOS22



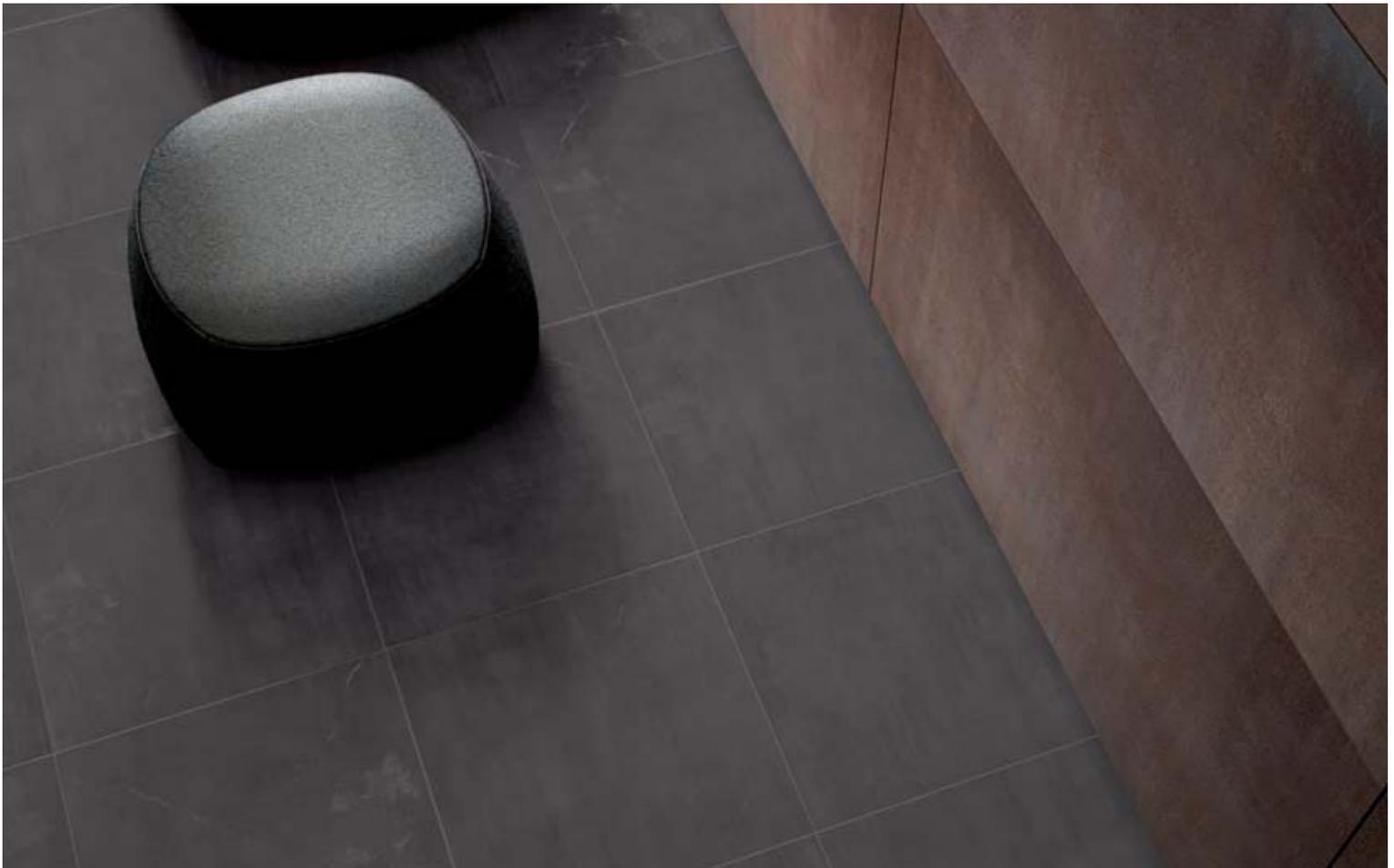
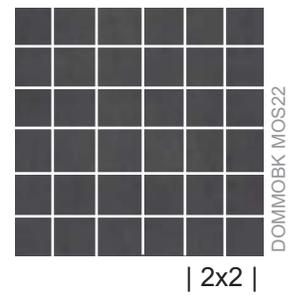
| grey |



| dark grey |



| black |



Initial Cleaning During Installation

As with any flooring material, the most important step to care and maintenance is the initial cleaning. The single most important step in caring for your porcelain floor is the removal of setting material, grout residue and/or any other construction residue from the surface BEFORE they have a chance to dry/harden. Please make sure to consult your grout manufacturers cleaning/curing time recommendations before attempting to clean any floor. Grout haze is a film that has been left behind on the surface of the tile as part of the final grouting process. It is a common phase of tile installation.

In most cases, successful cleaning of any Cobsa porcelain/ceramic tile by scrubbing the installation with a neutral cleaner followed by a thorough rinsing. If you use 250 Tile Cleaner, no rinsing is required. Grout manufacturers have printed detailed instructions for proper cleaning/curing of grout; please consult those instructions for important curing instructions. These instructions do not replace nor supersede the manufacturers recommended curing/care instructions.

Proper Care During Construction

Cover your newly installed porcelain/ceramic floor immediately after tile has been properly installed and grouted. The brown paper will protect your new floor from debris during the remaining construction process. The paper will allow for two important things: (1) to protect the newly installed tile grout and (2) to allow moisture to escape from the grout as it cures further protecting the look and utility of the floor. This is an important step in achieving grout color consistency. Never use plastic or non-absorbent materials to protect freshly installed tile. These types of non-absorbent products will trap moisture and can cause the grout to discolor during the curing period. The protective brown paper should remain until construction is complete and the floor is opened for intended (post-construction) use. Some grouting manufacturers require dampening of the grout joints during this time to facilitate color lock and proper cure again make sure you refer to the grout manufacturer's instructions, these instructions do not replace nor supersede the manufacturers recommended curing/care instructions.

Daily Maintenance

Once the initial construction cleaning process has been completed, daily or routine cleaning of Cobsa porcelain tiles are simple. Generally they need only to be swept/vacuumed and damp mopped with a neutral cleaner and rinsed if recommended. Again if you use 250 Tile Cleaner no rinsing is required.

It is important that the cleaner used is a non-oil, non-soap and non-animal fat based product. These cleaners have a tendency to act like magnets and attract dirt and dust and can affect the COF and slip resistance of the floor.

Heavy Duty Maintenance

Neglected or heavily trafficked tile may require more intensive cleaning. For glazed floor tiles, use a commercial tile cleaner, or apply a strong solution of an all-purpose, non oil-based cleaner or scouring powder paste. Let stand for five minutes, brush and scrub. Then rinse with clean water and wipe dry. Unglazed floor tiles, make a paste of scouring powder. Apply to surface and let stand for five minutes. Scour with brush, rinse and wipe dry. Though a small brush is suitable for most floors, you may want to use a scrubbing machine for large areas.

Porcelain tiles are the most durable tiles available, they do not require the use of sealers, surface coating, or waxes on the glazed matte honed or textured finishes. In actuality, the use of such product on the non absorbent nature of porcelain tiles can turn a low maintenance floor into a labor intensive high maintenance floor. In fact, these items, in most cases, can change the finish and/or diminish the slip resistance of the floor and will add unnecessary steps to the overall maintenance program without enhancing the overall appearance.

Suggested Applications

floor wall residential light commercial heavy commercial exterior pools

Installation Suggestions

joint modular setting plank installation *12x24 only* edge: straight 18" only rustic rectified finish: matte polished structured honed semi-polished other

Shade Variation

V1 Uniform Appearance V2 Slight Variation V3 Moderate Variation V4 Substantial Variation

thickness: 9" mm inches **10mm for 24" tile.*

Slip Resistance

Coefficient of Friction
 WET: standard* .6 result <0.6
 DRY: standard* .6 result >0.6
 accessible routes: .8 <0.6
 ramps: .8 <0.6

DIN 51130
 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°

ASTM C-1028
 DIN 51097/51130
**Industry Standard/ADA Requirements*

Scratch Resistance

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

Mineral
 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

MOH'S SCALE 6
 UNI EN ISO 10545.6 ≤175

Class 1: Walls only
 Class 2: Resid. floors w/minimal abrasive traffic.
 Class 3: Resid. interiors normal use and foot traffic.
 Class 4: Light-medium commercial applications.
 Class 5: Commercial applications.

Stain Resistance

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

ASTM C1378-04
 UNI EN ISO 10545.14 5

Water Absorption

ASTM C-373
 UNI EN ISO 10545.3 0-0.5

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

Industry standard should be greater than 250 lbs or 35 N/MM2
 ASTM C648
 UNI EN ISO 10545.4 Pass

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:
 acid: PASS
 bases: PASS
 chemicals: PASS

Leed Information

Sustainable 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

IEQ CREDIT 4.3 **Low Emitting Materials:** Flooring systems.

Materials & Resources
 M&R CREDIT 2 **Construction Waste Management:** Recycling salvaged construction waste in to new reusable materials. **1 Point** 50% **2 Points** 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%** **40%**

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**

Type: **Color Bodied Porcelain Stoneware**
 Product Line: **Modena**