

# APPLICATIONS GUIDE

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LISTS THE MATERIALS MOST COMMONLY USED IN EACH APPLICATION



# APPLICATIONS GUIDE

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This document features the most commonly used Stone Source materials for each application. It is critical that specifiers and clients understand how a material will perform in the application prior to selecting a material.

Some clients love the aged, or patina, effect that natural stone takes on. Others prefer materials that require less maintenance and will remain more pristine. Clients must reference the Product Spec Sheets on STONESOURCE.COM, specifically the Application, Technical Performance ratings and Care + Maintenance requirements for each material, to anticipate the pros and cons of any given material. This document covers:

- **CONSIDERATIONS FOR COMMERCIAL FLOORING APPLICATIONS**

Commercial flooring applications include shopping malls, retail, hospitality, hospitals, institutional environments, retail, hospitality, office spaces and reception areas.

- **CONSIDERATIONS FOR EXTERIOR APPLICATIONS**

Exterior applications refers to the exterior horizontal or vertical (cladding) surfaces of a building.

- **CONSIDERATIONS FOR KITCHEN COUNTERTOPS**

Kitchen countertop applications include any areas where food and drinks are prepared or served, such as kitchen countertops, islands, bar tops and dining tables.

- **CONSIDERATIONS FOR WET AREAS**

Wet areas refers to tub enclosures, showers, bathroom floors and interior swimming pools.



# APPLICATIONS GUIDE: COMMERCIAL FLOORING

## CONSIDERATIONS FOR COMMERCIAL FLOORING APPLICATIONS

Commercial flooring applications include shopping malls, retail, hospitality, hospitals, institutional environments, retail, hospitality, office spaces and reception areas. Things to consider:

- ABRASION RESISTANCE**  
 Materials with a High Abrasion Resistance rating are less likely to scratch than marble, limestone, onyx, slate, etc. Materials with a Low Abrasion Resistance rating will scratch with exposure to sand and other abrasives. The finish will patina or dull over time as a result of this scratching.
- ABSORPTION**  
 Materials with a Minimally Absorbent rating (i.e. Porcelain Tile, some Engineered Stone) are virtually non-porous. No sealer is required, they are less likely to stain, and they are typically easier to maintain. Materials with a Moderately Absorbent Rating are resistant to staining due to low porosity, but not impervious. Materials with Highly Absorbent rating are prone to staining.
- ACID SENSITIVITY**  
 Acidic cleaners and other acid pollutants will etch materials that contain calcium or magnesium carbonate (i.e. marble, limestone and travertine). Materials rated as Moderately Sensitive or Highly Sensitive will patina more rapidly than materials rated as Minimally Sensitive.
- TRAFFIC**  
 Natural stones rated for Heavy Commercial Traffic will patina, but have a history of wearing well over time. These materials typically require less care and maintenance than materials rated for Moderate, Light or Residential Traffic.

POPULAR MATERIALS FOR COMMERCIAL FLOORING					
PRODUCT NAME	MATERIAL	ABRASION RESISTANCE	ABSORPTION	ACID SENSITIVITY	TRAFFIC
BALTIMORE	Limestone	Low	High	High	Heavy Commercial
BASALTINA	Basalt	Medium	High	Minimal	Heavy Commercial
BASTILLE GRAY	Limestone	Low	Moderate	High	Medium Commercial
BLUE DE SAVOIE	Marble	Low	Moderate	High	Heavy Commercial
BURLINGTON STONE - LIMESTONE	Limestone	Low	Moderate	High	Heavy Commercial
BURLINGTON STONE - SLATE	Slate	Low	Moderate	High	Heavy Commercial
CALACATTA TUCCI	Marble	Low	Moderate	Moderate	Heavy Commercial
CALACATTA VISION	Marble	Low	Moderate	Moderate	Heavy Commercial
CONCORDIA	Schist	High	Moderate	Minimal	Heavy Commercial
CORINTHIAN BEIGE	Marble	Low	Moderate	High	Heavy Commercial
COURTAUD	Limestone	Low	High	High	Heavy Commercial
CREMA ELLA	Marble	Low	Moderate	High	Heavy Commercial
GAUDI	Marble	Low	Moderate	High	Heavy Commercial
GRIGIO TUCCI	Marble	Low	Moderate	High	Heavy Commercial
MIDNIGHT FOSSIL	Limestone	Low	Moderate	High	Medium Commercial
PIETRA BEDONIA	Sandstone	Medium	High	Minimal	Heavy Commercial
POMPEII	Basalt	Medium	Moderate	High	Heavy Commercial
PORCELAIN TILE (ALL)	Porcelain	High	Low	Minimal	Heavy Commercial
SOLAR	Marble	Low	Moderate	High	Heavy Commercial
SPA WHITE	Quartzite	High	Moderate	Minimal	Heavy Commercial
STELLAR WHITE	Marble	Low	Moderate	Moderate	Heavy Commercial
STORMY GRAY	Travertine	Low	High	High	Heavy Commercial
TREND Q	Engineered Stone	High	Low	Minimal	Heavy Commercial

For ratings descriptions refer to Technical Performance Specs PDF.

# APPLICATIONS GUIDE: EXTERIOR APPLICATIONS

## CONSIDERATIONS FOR EXTERIOR APPLICATIONS

Exterior applications refers to the exterior horizontal or vertical (cladding) surfaces of a building. Things to consider:

- ABSORPTION**  
 Materials with either very high or very low absorption will perform better in exterior applications. For materials rated as Highly Absorbent, water will evaporate more easily, so the material will be less likely to be impacted by freeze-thaw cycles. For Highly Absorbent materials use a granite base to prevent wicking at grade. Materials rated as Minimally Absorbent will simply remain impermeable to water and its effects.
- ACID SENSITIVITY**  
 Acid rain and other acid pollutants will etch materials that contain calcium or magnesium carbonate (i.e. marble, limestone and travertine). Materials rated as Moderately Sensitive or Highly Sensitive will patina more rapidly than materials rated as Minimally Sensitive. All materials used in exterior applications will patina.
- FREEZE / THAW**  
 Materials rated as suitable for Exterior Applications (All or Vertical Only) have minimal cracking or spalling in repeat freeze-thaw cycles.
- TRAFFIC**  
 Natural stones rated for Heavy Commercial Traffic will patina, but have a history of wearing well over time. These materials typically require less care and maintenance than materials rated for Moderate, Light or Residential Traffic.

POPULAR MATERIALS FOR EXTERIOR APPLICATIONS					
PRODUCT NAME	MATERIAL	ABSORPTION	ACID SENSITIVITY	FREEZE/THAW	TRAFFIC
BASALTINA	Basalt	High	Minimal	All Exteriors	Heavy Commercial
BASTILLE GRAY	Limestone	Moderate	High	All Exteriors	Medium Commercial
BURLINGTON STONE - LIMESTONE	Limestone	Moderate	High	All Exteriors	Heavy Commercial
BURLINGTON STONE - SLATE	Slate	Moderate	High	All Exteriors	Heavy Commercial
CENIA BEIGE	Limestone	Moderate	High	All Exteriors	Heavy Commercial
CENIA GRAY	Limestone	Moderate	High	All Exteriors	Heavy Commercial
CONCORDIA	Schist	Moderate	Minimal	All Exteriors	Heavy Commercial
DESERT BLEND	Quartzite	High	Minimal	All Exteriors	Heavy Commercial
IMPERIAL DANBY	Marble	Moderate	Moderate	All Exteriors	Heavy Commercial
MAGNY DORE	Limestone	High	High	Vertical Exteriors	NA
MIDNIGHT FOSSIL	Limestone	Moderate	High	All Exteriors	Medium Commercial
MONTCLAIR DANBY	Marble	Moderate	Moderate	All Exteriors	Heavy Commercial
OLYMPIAN DANBY	Marble	Moderate	Moderate	All Exteriors	Heavy Commercial
PIETRA BEDONIA	Sandstone	High	Minimal	All Exteriors	Heavy Commercial
PIETRA DI SASSONIA	Limestone	High	High	All Exteriors	Heavy Commercial
POMPEII	Basalt	Moderate	High	All Exteriors	Heavy Commercial
PORCELAIN TILE (ALL)	Porcelain Tile	Low	Minimal	All Exteriors	Heavy Commercial
SPA WHITE	Quartzite	Moderate	Minimal	All Exteriors	Heavy Commercial

For ratings descriptions refer to Technical Performance Specs PDF.

# APPLICATIONS GUIDE: KITCHEN COUNTERTOPS

## CONSIDERATIONS FOR KITCHEN COUNTERTOPS

Kitchen countertop applications include any areas where food and drinks are prepared or served, such as kitchen countertops, islands, bar tops and dining tables. Things to consider:

- ABRASION RESISTANCE**  
 Materials with a High Abrasion Resistance rating are less likely to scratch than marble, limestone, onyx, slate, etc. Materials with a Low Abrasion Resistance rating will scratch. The finish will patina or dull over time as a result of this scratching. Always use a cutting board for countertop applications.
- ABSORPTION**  
 Materials with a Minimally Absorbent rating (i.e. some Engineered Stone) are virtually non-porous. No sealer is required, they are less likely to stain, and they are typically easier to maintain. Materials with a Moderately Absorbent rating are resistant to staining due to low porosity, but not impervious. Materials with highly absorbent rating are prone to staining. Always seal natural stone prior to use.
- ACID SENSITIVITY**  
 Acidic foods or liquids (i.e. lemons or tomatoes) will acid etch materials that contain calcium or magnesium carbonate. Materials rated as Minimally Sensitive are not sensitive to acids and will not acid etch. Materials rated as Moderately Sensitive will patina over time. Materials rated as Highly Sensitive should not be used on kitchen countertop applications.

POPULAR MATERIALS FOR KITCHEN COUNTERTOPS				
PRODUCT NAME	MATERIAL	ABRASION RESISTANCE	ABSORPTION	ACID SENSITIVITY
BASALTINA	Basalt	Medium	High	Minimal
BURLINGTON STONE - SLATE	Slate	Low	Moderate	Minimal
CALACATTA EXTRA	Marble	Low	Moderate	Moderate
CALACATTA TUCCI	Marble	Low	Moderate	Moderate
CALACATTA VISION	Marble	Low	Moderate	Moderate
CELADOR	Engineered Stone	High	Minimal	Minimal
CONCORDIA	Schist	High	Moderate	Minimal
CREMA DELICATO	Marble	Low	Moderate	Moderate
ELEGANT BROWN	Quartzite	High	Moderate	Minimal
GIOIA VENATINO	Marble	Low	Moderate	Moderate
GRANITE (ALL)	Granite	Varies by Material	Varies by Material	Minimal
IMPERIAL DANBY	Marble	Low	Moderate	Moderate
MADREPEROLA	Quartzite	High	Moderate	Minimal
MONTCLAIR DANBY	Marble	Low	Moderate	Moderate
OLYMPIAN DANBY	Marble	Low	Moderate	Moderate
PIETRA CARDOSA	Schist	Low	Moderate	Minimal
STATUARIETO F	Marble	Low	Moderate	Moderate
STATUARY EXTRA	Marble	Low	Moderate	Moderate
STELLAR WHITE	Marble	Low	Moderate	Moderate

For ratings descriptions refer to Technical Performance Specs PDF.

# APPLICATIONS GUIDE: WET AREAS

## CONSIDERATIONS FOR WET AREAS

Wet areas refers to tub enclosures, showers, bathroom floors and interior swimming pools. Things to consider:

- ABSORPTION**  
 Materials with a Minimally Absorbent rating (i.e. some Engineered Stone) are virtually non-porous. No sealer is required, they are less likely to stain, and they are typically easier to maintain. Materials with a moderately absorbent rating are resistant to staining due to low porosity, but not impervious. Materials with highly absorbent rating are prone to staining. Always seal natural stone prior to use.
- ACID SENSITIVITY**  
 Acidic cleaners and other acid pollutants will etch materials that contain calcium or magnesium carbonate (i.e. marble, limestone and travertine). Materials rated as Moderately Sensitive or Highly Sensitive will patina more rapidly than materials rated as Minimally Sensitive.

POPULAR MATERIALS FOR WET AREAS			
PRODUCT NAME	MATERIAL	ABSORPTION	ACID SENSITIVITY
BASALTINA	Basalt	High	Minimal
BIANCO DOLOMITI	Marble	High	High
BLUE DE SAVOIE	Marble	Moderate	High
BURLINGTON STONE - LIMESTONE	Limestone	Moderate	High
BURLINGTON STONE - SLATE	Slate	Moderate	High
CALACATTA TUCCI	Marble	Moderate	Moderate
CALACATTA VISION	Marble	Moderate	Moderate
CERAMICA	Ceramic Tile	Low	Minimal
CORINTHIAN BEIGE	Marble	Moderate	High
CONCORDIA	Schist	Moderate	Minimal
CREMA ELLA	Marble	Moderate	High
GLASS TILE (ALL)	Glass Tile	Low	Minimal
GRIGIO TUCCI	Marble	Moderate	High
GYPSUM	Ceramic Tile	Low	Minimal
LOFT	Ceramic Tile	Low	Minimal
PORCELAIN TILE (ALL)	Porcelain Tile	Low	Minimal
PROGETTO L14	Ceramic Tile	Low	Minimal
SOLAR	Marble	Moderate	High
SPA WHITE	Quartzite	Moderate	Minimal
STELLAR WHITE	Marble	Moderate	Moderate
STORMY GRAY	Travertine	High	High
TREND Q	Engineered Stone	Low	Minimal

For ratings descriptions refer to Technical Performance Specs PDF.