



RESTORATION

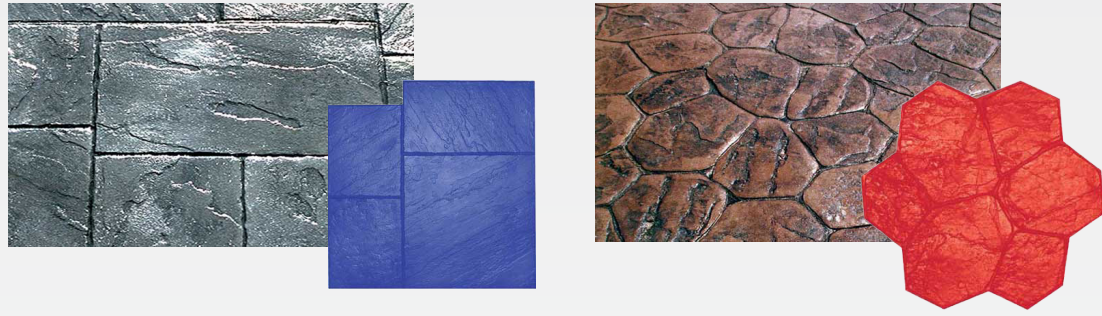
STAN  
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CONCRETE  
layoutsanddesigns

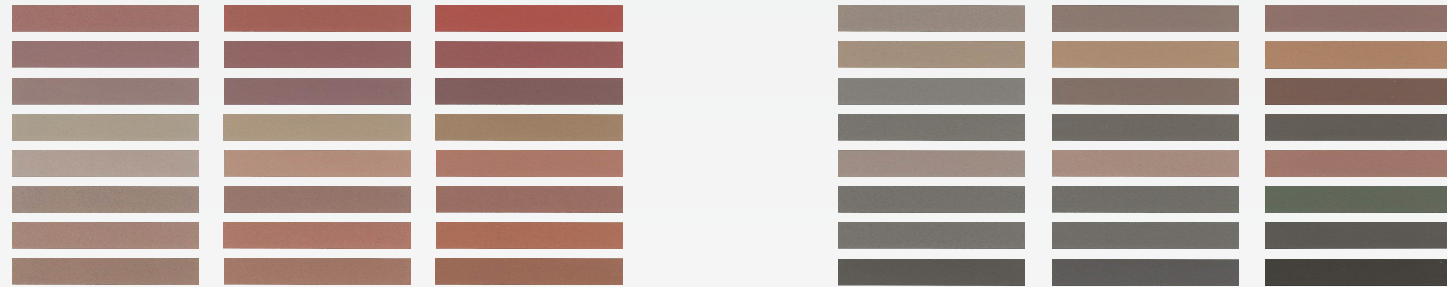
Our process is simple and quick. Just follow the steps and we will be able to get you on the schedule and bring your vision to reality.

**STEP 1: CHOOSE YOUR PATTERN**



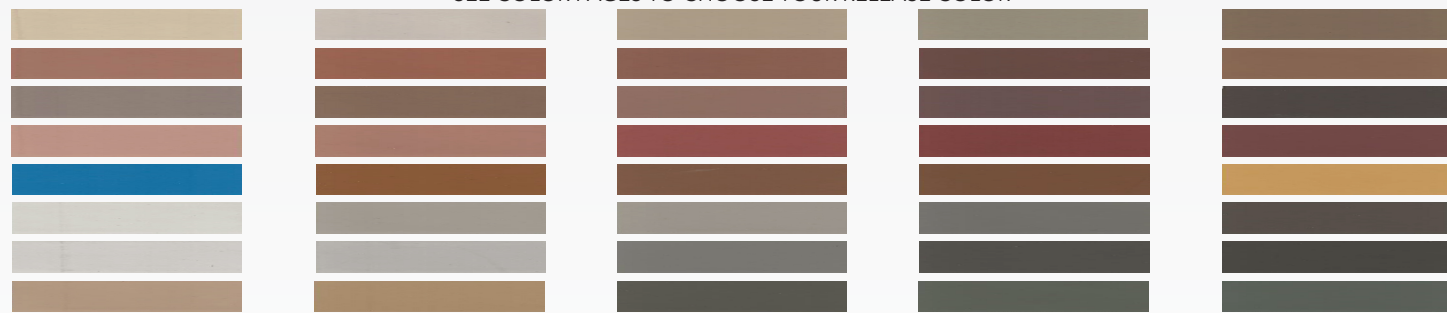
**STEP 2: CHOOSE THE COLOR YOU WANT FOR YOUR CONCRETE**

SEE COLOR PAGES TO CHOOSE YOUR PRIMARY COLOR

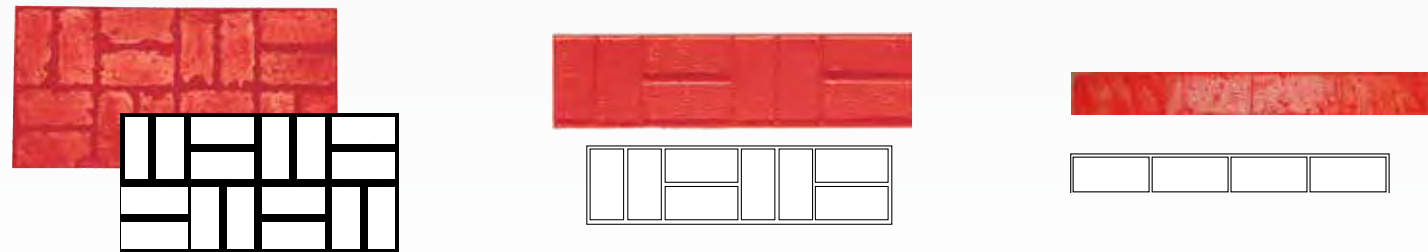


**STEP 3: CHOOSE THE RELEASE COLOR TO ADD THE ANTIQUE LOOK**

SEE COLOR PAGES TO CHOOSE YOUR RELEASE COLOR



**STEP 4: CHOOSE YOUR BORDER**



**STEP 5: CHOOSE ACID STAINED EDGE (OPTIONAL)**

SEE COLOR PAGES TO CHOOSE YOUR ACID COLOR



**CONCRETE CURING TIME AND BASIC INFORMATION**

When you place fresh concrete it's very sensitive and easily ruined. If you cure it properly it will be strong and reliable; neglect it, and you'll be sorry!

In the first week or so after concrete is poured, you must maintain the proper temperature and dampness for proper curing. Curing is easy to skip in the instant but that will have a major impact on the quality of your finished work.

While curing is important for all concrete, the problems that arise from not curing are most obvious with horizontal surfaces. An uncured slab, whether decorative or plain gray, is likely to develop a pattern of fine cracks (called crazing) and once it's in use the surface will have low strength that can result in a dusting surface that has little resistance to abrasion.

**HOW LONG DOES IT TAKE FOR CONCRETE TO CURE?**

The entire curing period of concrete takes about a month, but your concrete will be ready for use sooner. Each project will vary slightly due to differences in the weather, concrete mix and placement and finishing techniques.

When waiting for concrete to dry, keep these timeframes in mind:

- 24 to 48 hours** - after initial set, forms can be removed and people can walk on the surface
- 7 days** - after partial curing, traffic from vehicles and equipment is okay
- 28 days** - at this point, the concrete should be fully cured

**WHAT IS CURING AND WHAT DOES IT DO TO THE CONCRETE?**

Curing serves these main purposes:

- It retains moisture in the slab so that the concrete continues to gain strength.*
- It delays drying shrinkage until the concrete is strong enough to resist shrinkage cracking.*
- Properly curing concrete improves strength, durability, water tightness, and wear resistance.*

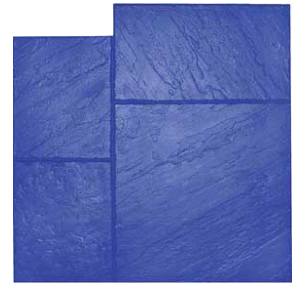
When most people think of curing, they think only of maintaining moisture on the surface of the concrete. But curing is more than that-it is giving the concrete what it needs to gain strength properly. Concrete strength depends on the growth of crystals within the matrix of the concrete. These crystals grow from a reaction between Portland cement and water-a reaction known as hydration. If there isn't enough water, the crystals can't grow and the concrete doesn't develop the strength it should. If there is enough water, the crystals grow out like tiny rock-hard fingers wrapping around the sand and gravel in the mix and intertwining with one another. Almost sounds like a horror movie-our concrete baby has turned into a monster!

The other important aspect of curing is temperature-the concrete can't be too cold or too hot. As fresh concrete gets cooler, the hydration reaction slows down. The temperature of the concrete is what's important here, not necessarily the air temperature. Below about 50 F, hydration slows down a lot; below about 40 F, it virtually stops.

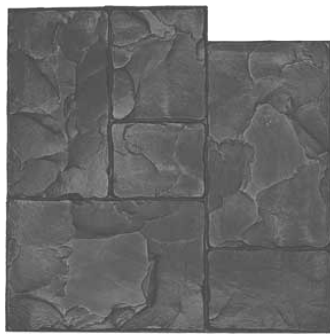
Hot concrete has the opposite problem: the reaction goes too fast, and since the reaction is exothermic (produces heat), it can quickly cause temperature differentials within the concrete that can lead to cracking. And cement that reacts too quickly doesn't have time for the crystals to grow properly so it doesn't develop as much strength as it should.



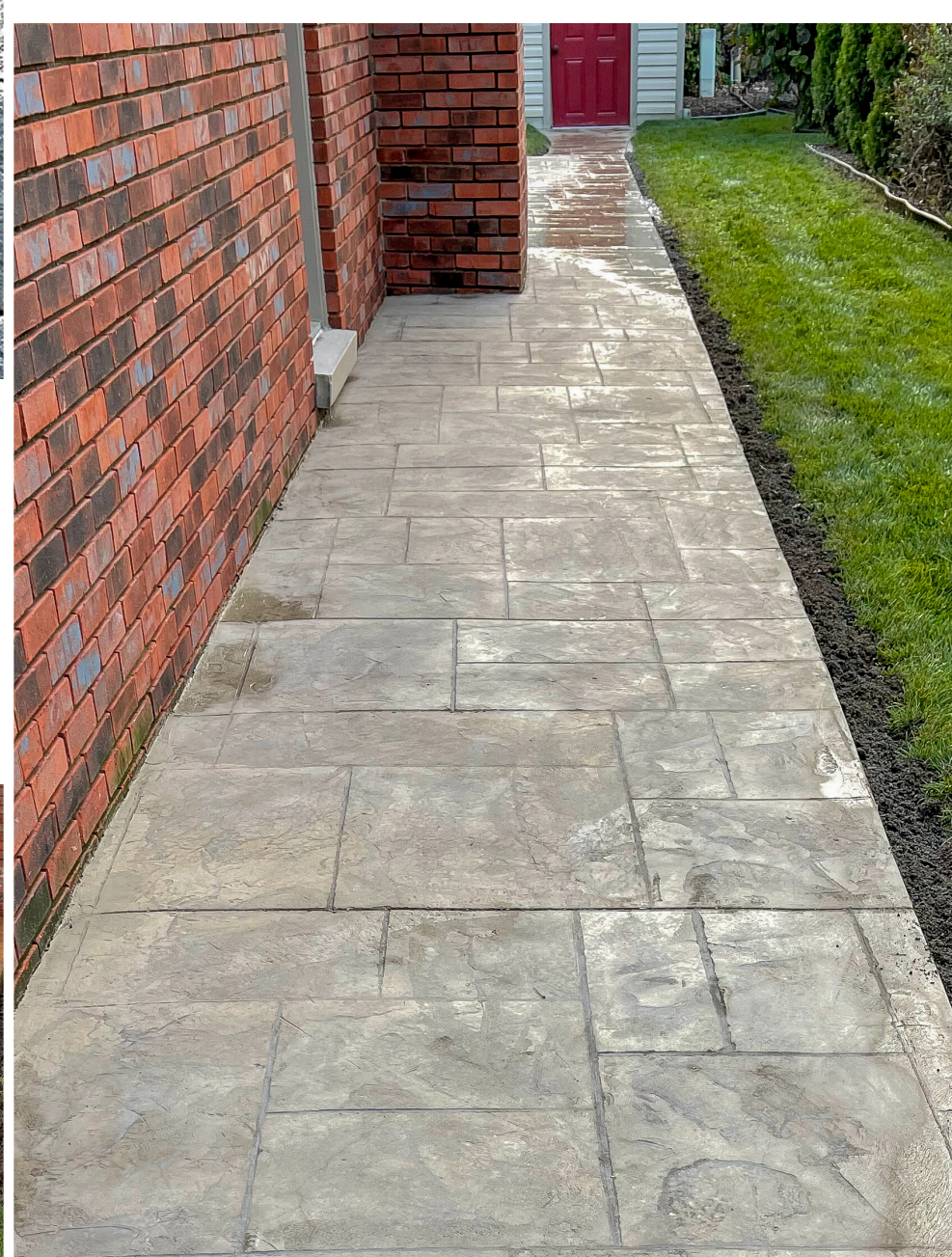
**ASHLAR  
CUT SLATE**



ASHLAR



LARGE ASHLAR

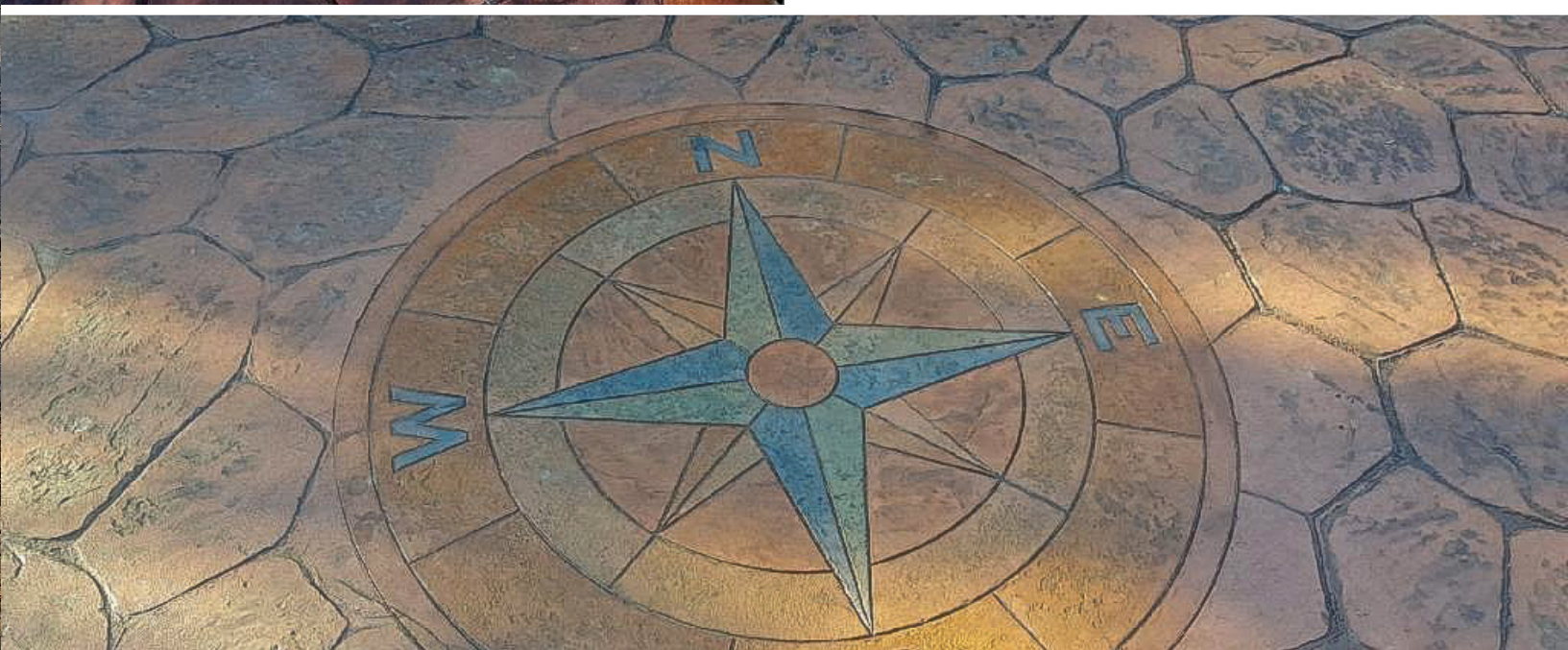




**RANDOM  
STONE**



RANDOM STONE



A close-up photograph of a textured mat. The mat has a mottled, brownish-tan color with a rough, fibrous texture. It is bordered by a dark blue material. In the background, a white, curved object is visible against a light-colored wall.

**ROMAN SLATE  
TEXTURED MATTE**



ROMAN SLATE







**LONDON  
COBBLE**



LONDON COBBLE



# PRIMARY COLORS

## POWDERED INTEGRAL COLOR

1 BAG PER 2 YARDS	1 BAG PER 1 YARDS	2 BAG PER 1 YARDS	3 BAG PER 1 YARDS
 EARTHEN PC-6001	 RAWHIDE SRI-25	 BUCKSKIN SRI-24	 LEATHER
 SLATE PC-1001	 LIGHT GREY	 SHALE	 STORM GREY
 THISTLE PC-2017	 REDBUD SRI-40	 CURRANT	 RUBY
 BUFF PC-3001	 CHAMOIS SRI-41	 HARVEST GOLD SRI-41	 GOLDENROD SRI-48
 SAND PC-4005	 DESERT SAND	 PINE CONE	 MOROCCAN TAN
 CARAMEL PC-5001	 TAN	 SIENNA	 RUSTIC RED
 OATMEAL PC-801	 OAK SRI-29	 HAZELNUT SRI-29	 CARIBOU
 BISCUIT PC-8051	 FAWN SRI-45	 YELLOWSTONE	 BOURBON
 MUSHROOM PC-9001	 UTOPIA SRI-23	 SILT SRI-20	 MOCHA SRI-16
 LLAMA PC-9051	 CROISSANT SRI-41	 DEER VALLEY SRI-44	 HONEYCOMB
 SHADOW PC-908	 RAVEN	 FOG PC-600	 ALABASTER SRI-71

## COLORING YOUR CONCRETE AND HOW IT WORKS

Brickform Powdered Color is a uniform blend of pure iron oxide pigment packaged in pre-measured dissolving (re-pulpable) paper bags that are added at the ready-mix batch plant or at the jobsite. Brickform Powdered Color disperses evenly throughout the concrete mix and complies with ASTM C979 "Pigments for Integrally Colored Concrete". The information below is just a brief guide on utilizing Brickform Powdered Color.

## COLOR SELECTION

The color card approximates non-sealed shades of Brickform integral colors based on medium tone gray Type 1-2 Portland cement with a 4" slump. The final color shade will be affected by local cement and aggregates, addition of admixtures, water to cement ratio, curing, sealing, finishing methods, and the slab surface texture. The final color of lower color loadings such as 1 bag per 2 yards are influenced to a greater degree from cement and aggregate shades utilized in the mix design. A jobsite sample or test slab should be done using the specified materials and finishing and curing techniques that will be used on the project.

## MIX DESIGN

The key to uniform concrete color is consistency throughout the job.

- The mixer drum should be clean with little or no build-up on fins.
- Mixer should be loaded to a minimum of 30% capacity to ensure good color dispersion.
- Consistent color can only be achieved by using the same mix design throughout the job (same sand, cement, admixtures, aggregates, and water to cement ratio).
- Consider adding UltraFiber 500 cellulose fiber reinforcement to your decorative project. UltraFiber 500 provides excellent secondary reinforcement, and is invisible in the concrete. UltraFiber 500 TIS is available at [www.brickform.com](http://www.brickform.com).
- Maintain a 4" (10cm) slump, (low water to cement ratio). Higher slumps (maintaining low water to cement ratio) may be obtained using water reducers. Note: Plasticizers, water reducers, and air entraining products designed for use with colored concrete are acceptable. However, Brickform strongly recommends using test slabs to determine final color outcome.
- Caution: Use of calcium chloride can cause discoloration on the surface of the concrete and is not recommended for use with colored concrete. Non-chloride accelerators, including hot water, are acceptable substitutes.
- When using Brickform Powdered Color in repulpable bags, slit the bag along the top dotted line and completely remove and discard the top portion of the bag. Reverse the drum and slowly bring the concrete to the back of the drum near the chute. Add the bag(s) of color on the concrete mix and slowly draw them back into the mixer. Mix the repulpable bag(s) for a minimum of 10 minutes at medium mixing speed, ensuring that the bag is broken up and dissolves entirely.
- Do not add the repulpable bag to the mixer when using small 1/4" (0.6cm) or smooth rounded aggregates, or sand-blasted or exposed aggregate finishes. Add only the color pigment by opening the bag and pouring all color into the mixer.

The colors shown are representative and approximate, as closely as possible, concrete with a flat troweled finish, sealed with Gem-Seal. N&M Restoration is not responsible for job condition changes, curing issues due to circumstances beyond our control. See Warranty documentation for more information.

## COLOR HARDNER

This is an engineered blend, used to color the surface of new concrete. Color Hardener is manufactured with the finest UV-resistant pigments and premium aggregates available. Color Hardener is designed to work with imprinting tools to produce clear, sharp impressions that enhance the finished appearance of any new hardscape. When properly applied and worked into newly placed, fresh concrete, Color Hardener forms a colored concrete surface that is abrasion- and impact-resistant. Color Hardener is available in 42 standard colors and has a coverage rate of 90 to 120 ft<sup>2</sup> per 60 lb pail. Coverage rate will vary depending on timing, color and application technique.

## COLOR SELECTION

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## ANTIQUÉ RELEASE

This is a hydrophobic colored powder that helps prevent Brickform imprinting tools from sticking during the stamping process. Antique Release is made from a finely ground formula that works with polyurethane texturing mats to create a beautifully antiqued and textured concrete surface. Antique Release forms a waterproof barrier that enables the stamping tool to be removed without concrete buildup on the stamp. During the stamping process, Antique Release is pressed into the concrete surface, creating a secondary coloring effect once washed off and sealed. Antique Release is available in 42 standard colors and has a coverage rate of 750-900 ft<sup>2</sup> per 30 lb pail depending on application.

## ANTIQUÉ-IT

This is a water-soluble antiquing agent designed to impart a secondary color or highlight to hardened stamped concrete or textured overlays. Antique-It is easy to apply, dries fast, and provides a durable color that closely resembles the look of antiquing release powder. Antique-It is available in 42 standard colors. Coverage Rate: 1600-2000 ft<sup>2</sup> per 3 lb. container.

## STANDARD COLOR SELECTIONS

 GOLDEN SANDSTONE 320	 ADOBE BUFF 1080	 SANDY BUFF 1070	 SANDSTONE 325	 DESERT TAN 350
 ANTIQUÉ CORK 1050	 SUNBAKED CLAY 515	 TERRA COTTA 700	 AUTUMN BROWN 425	 PECOS SAND 1055
 BLUSH BEIGE 1015	 BUFF TAN 375	 DUSTY ROSE 525	 CHESTNUT 400	 WALNUT 810
 ANTIQUÉ ROSE 1020	 SUMMER BEIGE 1035	 QUARRY RED 1065	 TILE RED 500	 BRICK RED 550
 POOL BLUE 660	 COPPER BROWN 1025	 PECAN 1060	 SADDLE BROWN 1085	 FEDERAL YELLOW 3100
 ASH WHITE 1030	 OYSTER WHITE 250	 SUN BUFF 1090	 SMOKEY BEIGE 1010	 NUTMEG 300
 DOVER BLUE 625	 STONE GREY 615	 LIGHT GREY 600	 MEDIUM GREY 200	 DARK GREY 100
 CAPPUCCINO 735	 CREAM BEIGE 310	 FRENCH GREY 815	 SLATE GREEN 825	 SMOKEY BLUE 650

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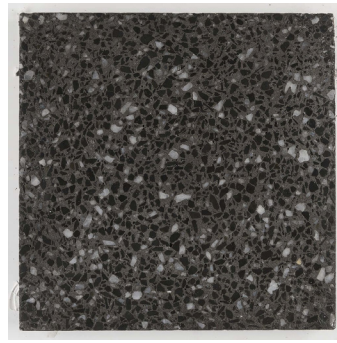
54679

**EXPOSED  
AGGREGATE**

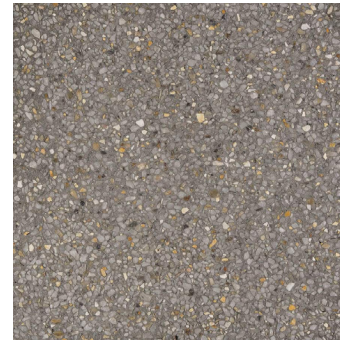




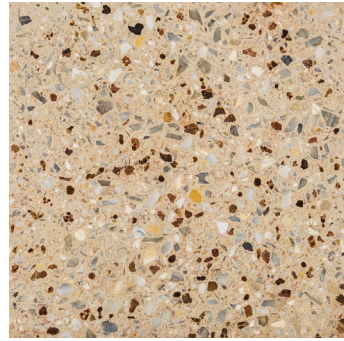
LIGHT TAN



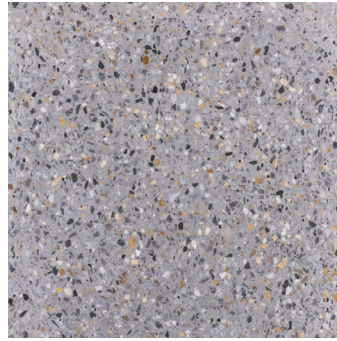
EBONY



NATURAL



DARK TAN



LIGHT GREY



SPECKLED

Exposed aggregate concrete can almost be compared to a piece of granite or marble transformed by polishing: A plain, unremarkable surface has been stripped away to reveal the exceptional beauty lying beneath. In the case of concrete, that beauty is in the form of decorative aggregate, either natural or manufactured.

The decorative process of exposing aggregate has been around since the early 1900s, well before pattern stamping, stenciling, and decorative overlays became trendy. But this method is far from being ready for retirement. An exposed aggregate finish offers numerous advantages. And many of today's decorative concrete contractors are finding creative ways to take exposed aggregate to a new level.

#### **WHAT IS EXPOSED AGGRATE AND WHERE IS IT USED?**

An exposed-aggregate surface is obtained by placing concrete and then removing the outer 'skin' of cement paste to uncover decorative coarse aggregate (either batched into the concrete mix or seeded onto the surface).

Because of its durability and skid resistance, an exposed aggregate finish is ideal for most flatwork including:

- Sidewalks
- Driveways
- Patios
- Pool decks
- Plazas

An exposed-aggregate finish is also possible on concrete walls or tilt-up panels. Vertical applications include:

- Decorative retaining walls
- Architectural building facades
- Sound barrier walls

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**POURED  
CONCRETE**







**OLD ENGLISH BASKET WEAVE**

FM-5225



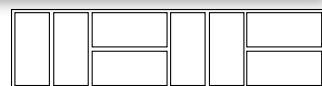
**4X8 NEW BRICK RUNNER**

FM-5650



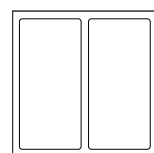
**4X8 BASKET WEAVE**

FM-5375



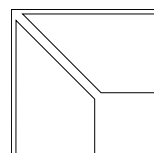
**USED BRICK DOUBLE**

FM-5700



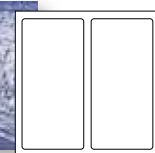
**NEW BRICK CORNER**

FM-5450



**NEW BRICK DOUBLE**

FM-5750



**4X8 NEW BRICK BORDER**

FM-5325



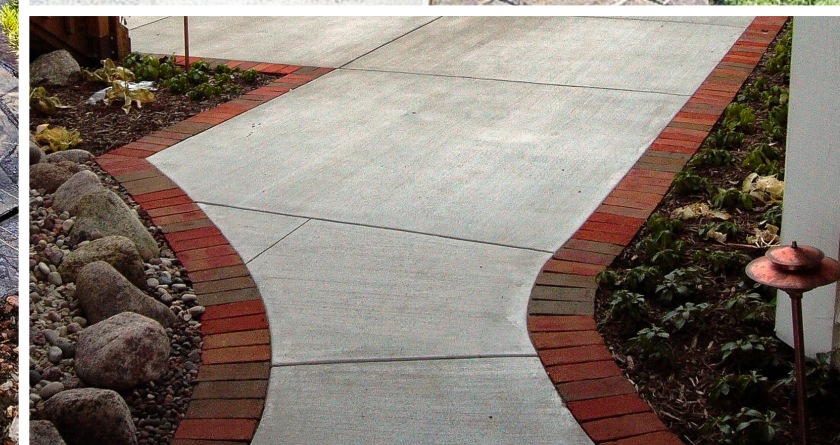
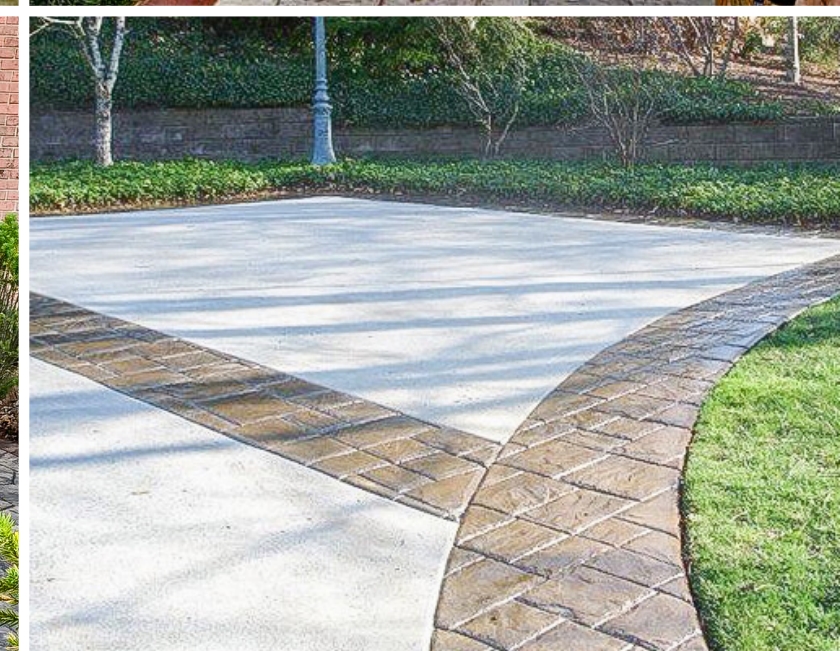
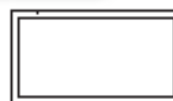
**USED BRICK RUNNER**

FM-5600



**SINGLE NEW BRICK**

FM-5550





**ACID  
COLORS**

# ACID COLORS

## BLUSH-TONE ACID STAIN



## BLUSH-TONE ACID STAIN

Blush-Tone Acid Stain reacts with minerals that exist in newly cured or existing concrete. It penetrates the very top layer of the concrete surface with color that will not chip, crack, or peel. The colors produced in each section of concrete will be unique with captivating, multi-colored intensities that become a permanent part of the concrete.

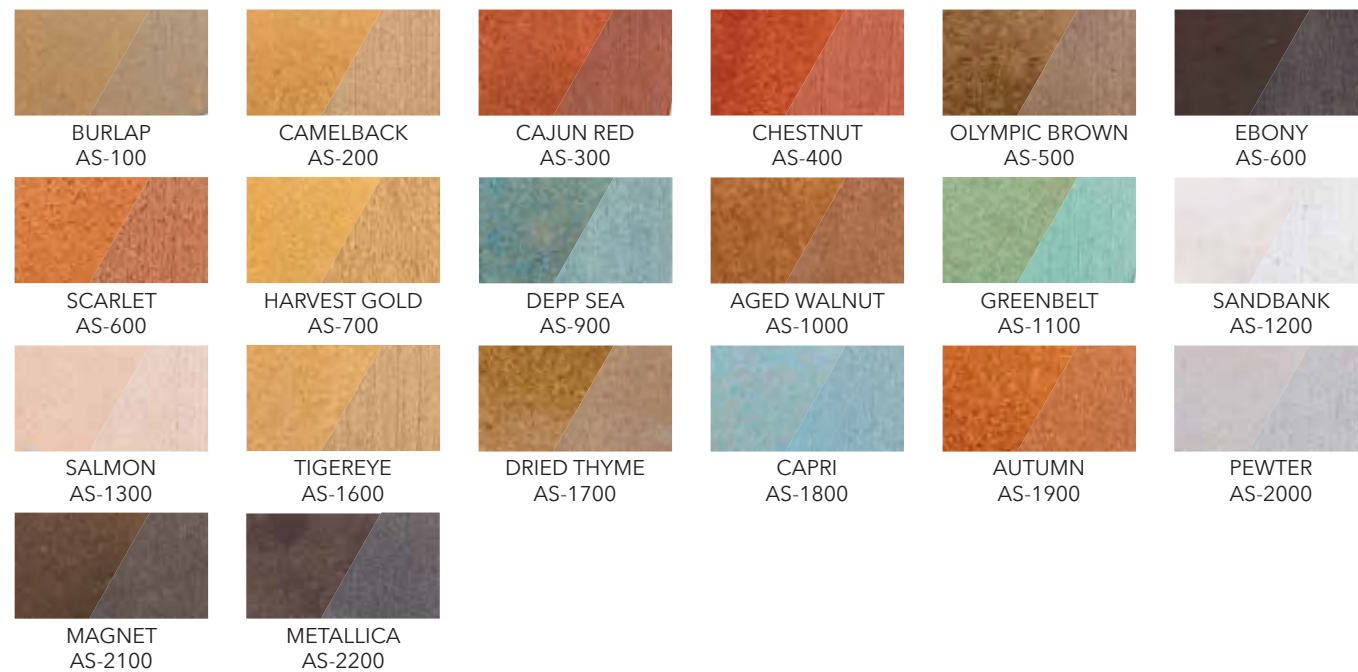
## ARTesian STAIN

Penetrating, Water-Based Stain

The color effect is unique to each stained surface and cannot be duplicated with other materials. ARTesian Stain contains no acids or harmful chemicals and works as an alternative to typical reactive acid stains. There are no acids or harmful chemicals integrated in its design.

- Zero VOC
- Water-based
- Interior / Exterior use
- Must be sealed with solvent-based sealer

## ARTesian Stain (Water Based)



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# CHOOSE YOUR OPTIONS

## STEP ONE: CHOOSE YOUR PATTERN

Ashlar     Large Ashlar     Random Stone     London Cobble     Roman Slate

## STEP TWO: CHOOSE YOUR PRIMARY COLOR

<input type="checkbox"/> Earthen	<input type="checkbox"/> Rawhide	<input type="checkbox"/> Buckskin	<input type="checkbox"/> Leather	<input type="checkbox"/> Slate
<input type="checkbox"/> Light Grey	<input type="checkbox"/> Shale	<input type="checkbox"/> Storm Grey	<input type="checkbox"/> Thistle	<input type="checkbox"/> Redbud
<input type="checkbox"/> Currant	<input type="checkbox"/> Ruby	<input type="checkbox"/> Buff	<input type="checkbox"/> Chamos	<input type="checkbox"/> Harvest Gold
<input type="checkbox"/> Goldenrod	<input type="checkbox"/> Sand	<input type="checkbox"/> Desert Sand	<input type="checkbox"/> Pine Cone	<input type="checkbox"/> Moroccan Tan
<input type="checkbox"/> Caramel	<input type="checkbox"/> Tan	<input type="checkbox"/> Sienna	<input type="checkbox"/> Rustic Red	<input type="checkbox"/> Oatmeal
<input type="checkbox"/> Oak	<input type="checkbox"/> Hazelnut	<input type="checkbox"/> Caribou	<input type="checkbox"/> Biscuit	<input type="checkbox"/> Fawn
<input type="checkbox"/> Yellowstone	<input type="checkbox"/> Bourbon	<input type="checkbox"/> Mushroom	<input type="checkbox"/> Utopia	<input type="checkbox"/> Silt
<input type="checkbox"/> Mocha	<input type="checkbox"/> LLama	<input type="checkbox"/> Croissant	<input type="checkbox"/> Deer Valley	<input type="checkbox"/> Honeycomb
<input type="checkbox"/> Shadow	<input type="checkbox"/> Raven	<input type="checkbox"/> Fog	<input type="checkbox"/> Alabaster	

## STEP THREE: CHOOSE YOUR RELEASE COLOR TO ADD THE ANTIQUE LOOK

<input type="checkbox"/> Golden Sandstone	<input type="checkbox"/> Adobe Buff	<input type="checkbox"/> Sandy Buff	<input type="checkbox"/> Sandstone	<input type="checkbox"/> Desert Tan
<input type="checkbox"/> Antique Look	<input type="checkbox"/> Sunbaked Clay	<input type="checkbox"/> Terra Cotta	<input type="checkbox"/> Autumn Brown	<input type="checkbox"/> Pecos Sand
<input type="checkbox"/> Blush Beige	<input type="checkbox"/> Buff Tan	<input type="checkbox"/> Dusty Rose	<input type="checkbox"/> Chestnut	<input type="checkbox"/> Walnut
<input type="checkbox"/> Antique Rose	<input type="checkbox"/> Summer Beige	<input type="checkbox"/> Quarry Red	<input type="checkbox"/> Tile Red	<input type="checkbox"/> Brick Red
<input type="checkbox"/> Pool Blue	<input type="checkbox"/> Cooper Brown	<input type="checkbox"/> Pecan	<input type="checkbox"/> Saddle Brown	<input type="checkbox"/> FedYellow
<input type="checkbox"/> Ash White	<input type="checkbox"/> Oyster White	<input type="checkbox"/> Sun Buff	<input type="checkbox"/> Smokey Beige	<input type="checkbox"/> Nutmeg
<input type="checkbox"/> Dover Blue	<input type="checkbox"/> Stone Grey	<input type="checkbox"/> Light Grey	<input type="checkbox"/> Medium Grey	<input type="checkbox"/> Dark Grey
<input type="checkbox"/> Cappuccino	<input type="checkbox"/> Cream Beige	<input type="checkbox"/> French Grey	<input type="checkbox"/> Slate Green	<input type="checkbox"/> Smokey Bl

## STEP FOUR: CHOOSE YOUR BORDER

<input type="checkbox"/> Old English Basket Weave	<input type="checkbox"/> 4x8 New Brick Runner
<input type="checkbox"/> 4x8 Basket Weave	<input type="checkbox"/> Used Brick Double
<input type="checkbox"/> New Brick Corner	<input type="checkbox"/> New Brick Double
<input type="checkbox"/> 4x8 New Brick Border	<input type="checkbox"/> Used Brick Runner
<input type="checkbox"/> Single New Brick	

## STEP FIVE: CHOOSE YOUR ACID STAINED EDGE

### BLUSH-TONE ACID STAIN

<input type="checkbox"/> Jade	<input type="checkbox"/> Ebony	<input type="checkbox"/> Turquoise	<input type="checkbox"/> Mission Brown
<input type="checkbox"/> Coffee	<input type="checkbox"/> Amber	<input type="checkbox"/> Caramel	<input type="checkbox"/> Olive
<input type="checkbox"/> Mahogany	<input type="checkbox"/> Walnut		

### ARTESIAN STAIN (WATER BASED)

<input type="checkbox"/> Burlap	<input type="checkbox"/> Camelback	<input type="checkbox"/> Cajun Red	<input type="checkbox"/> Chestnut
<input type="checkbox"/> Olympic Brown	<input type="checkbox"/> Ebony	<input type="checkbox"/> Scarlet	<input type="checkbox"/> Harvest Gold
<input type="checkbox"/> Deep Sea	<input type="checkbox"/> Aged Walnut	<input type="checkbox"/> Greenbelt	<input type="checkbox"/> Sandbank
<input type="checkbox"/> Salmon	<input type="checkbox"/> Tigereye	<input type="checkbox"/> Dried Thyme	<input type="checkbox"/> Capri
<input type="checkbox"/> Autumn	<input type="checkbox"/> Pewter	<input type="checkbox"/> Magnet	<input type="checkbox"/> Metallica

### E-STAIN (ECO-FRIENDLY REACTIVE STAIN)

<input type="checkbox"/> Evergreen	<input type="checkbox"/> Sunset	<input type="checkbox"/> Blue Di Mare	<input type="checkbox"/> Ebony
<input type="checkbox"/> Moss	<input type="checkbox"/> Saddle	<input type="checkbox"/> Bronze	<input type="checkbox"/> Rusty Brown

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

PHONE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

DESIRED START DATE: \_\_\_\_\_

SPECIAL DIRECTIONS: \_\_\_\_\_

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We will do our best to get you scheduled as soon as possible. Our goal is to get your project done as fast as possible but sometimes there is a slight delay because of the number of projects we have going at one time.

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**21300 GROESBECK HWY  
WARREN, MI 48089**

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NANDMRESTORATION.COM**