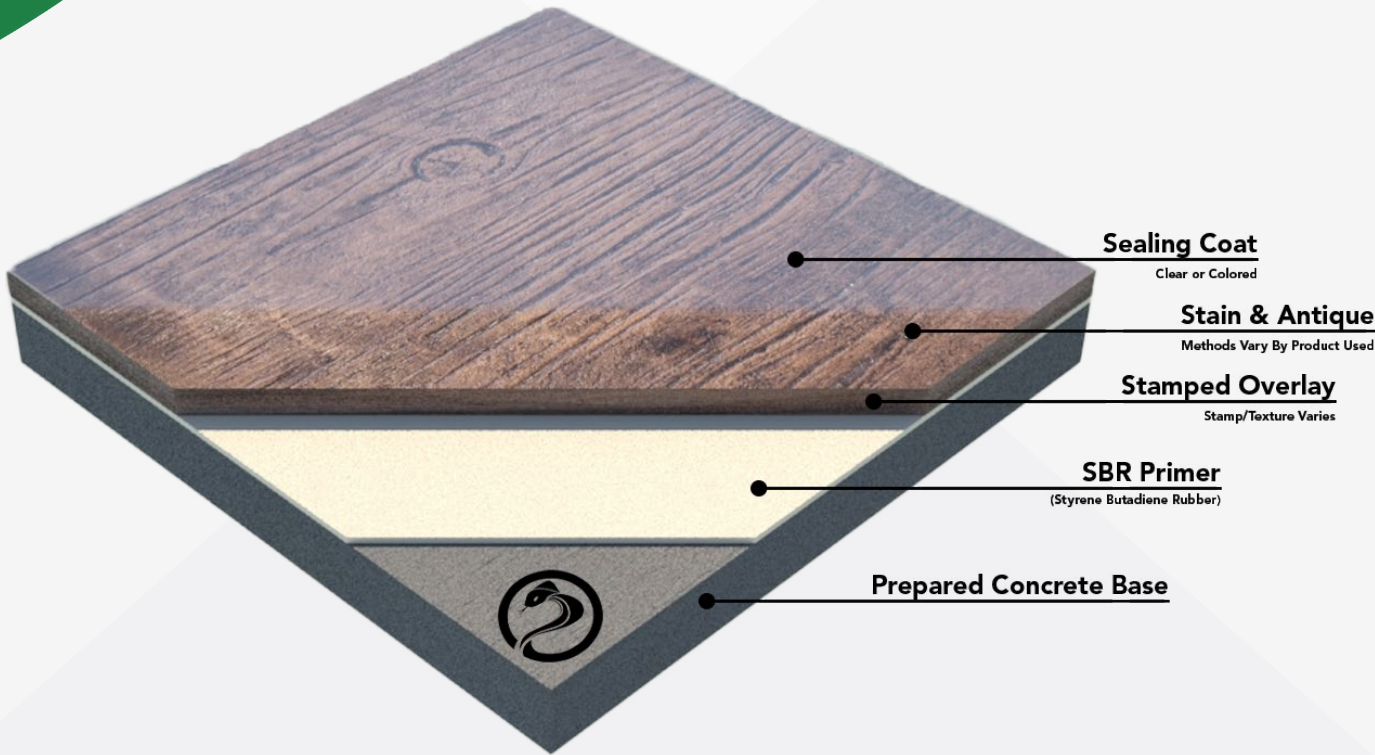


STAMPABLE CAPPING SYSTEM



PRODUCT DATA SHEETS



01. Medusa Bond Coat

02. Medusa Stamp Coat

03. Medusa Color Packs

04. Medusa Liquid Release Agent

05. Medusa Antiquing Color Stain

06. Medusa Antiquing Agent

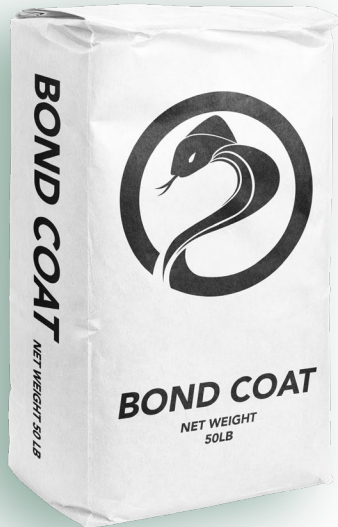
07. Medusa Clear Solvent Sealer (20%)

08. Medusa Clear Solvent Sealer (30%)



PRODUCT DATA SHEET

MEDUSA BOND COAT



Medusa Bond Coat is a single component, just add water, cement-based bonding agent specifically developed for use with Cobra Stampable Overlay. Medusa Bond Coats only function is to join the stampable overlay to the substrate.

This product has a high cement content and dry-copolymer agent which create a premier bond, while the fin aggregate micro dowels into the substrate or area to be patched.

APPLICATIONS

Medusa Bond Coat has an infinite number of applications, but is most commonly used for:

- Interior & Exterior Stampable Overlay
- Three Dimensional Overlays
- Interior & Exterior Stamped Patterns
- Interior & Exterior Sprayable Concrete

BENEFITS

Medusa Bond Coat has a large list of benefits, including but not limited to:

- Stronger bond than liquid polymers
- Tintable to match overlay material color
- Fix existing problems in hard scape

PACKAGING

50 lbs bag

COVERAGE

50lbs bag varies widely due to profile, porosity of substrate, temperature, and how thirsty the concrete slab is: approximately 300 - 450 ft²

APPLICATION TEMPERATURE

50°F - 90°F

ODOR

N/A

CURE TIME

Foot Traffic - 24 hours

Vehicular Traffic - 72 hours

SHELF LIFE

Under normal conditions: when kept dry and moisture free, out of direct sunlight, the shelf life of an unopened container is (12) months from the date of purchase. Storage must be under roof and off the floor. Avoid extreme temperatures. Rotate inventory to maintain product that is within limits.

MIXING RATIO

6-7 quarts of clean water to one 50lbs bag.

SURFACE PREPARATION

1. **Clean** - The surface must be free of dust, dirt, oil, grease, paints, glues, non- acrylic sealers, curing agents, efflorescence, chemical contaminants, rust, algae, mildew and other foreign matter that may serve as a bond breaker.
2. **Cured** - Any concrete must be sufficiently cured to have sufficient hydration, approximately 7-14 days depending on temperatures and humidity.
3. **Sound** - No system should be placed on concrete that is flaking, spalling, or has hibernating spalling.
4. **Profiled** - Proper profile should follow the standard established by the International Concrete Repair Institute (ICRI) Technical Guideline no. 03732 for Concrete Surface Profile (CSP).

TEMPERATURE / CURE

1. Air and substrate surface temperatures shall remain between 50°F - 90°F during and within 48 hours of installation.
2. No precipitation should occur during or within 48 hours of installation.
3. Avoid high heat or windy conditions. Attempt to minimize application during such harsh conditions by working during cooler hours. Keep materials shaded prior to mixing, running water until cool, and setting up temporary wall for wind blocks.

MIXING / APPLICATION

Full Bag - Mixing and Handling

1. Add 6 qts. water to a 5 gal. pail
2. Add 1 Color Pack if required
3. Mix with a handheld concrete mixer equipped with a cage mixing blade for a minimum of 15 seconds.
4. Slowly add the Bond Coat into the pail with mixer running.
5. Scrape side of pail with a margin trowel to make sure all the dry product is included into the mix.
6. Continue to mix for a minimum of 1 minute after all ingredients are fully mixed to achieve a lump-

free consistency. Additional water can be added up to a total of 7 qts per 50lbs bag.

Small Batch - Mixing and Handling

1. For each 4 qts. dry mix, add 1.5 qts. water.
2. Add the desired amount of water to bucket of an appropriate size.
3. Start adding the dry mix to the water while running the mixer. Mix with an appropriate size mixer.
4. Scrape the sides of the container to make sure that all the dry mixture is included in the wet mix.
5. Mix for a minimum of 1 minute until all the ingredients are fully mixed to achieve a lump free consistency.

CLEAN UP

Before the product dries, spills and tools can be cleaned up with water.

DISPOSAL

Follow local guidelines for disposing hazardous products.

LIMITATIONS

For use by trained professionals. Not designed to be a wear surface.

CAUTIONS

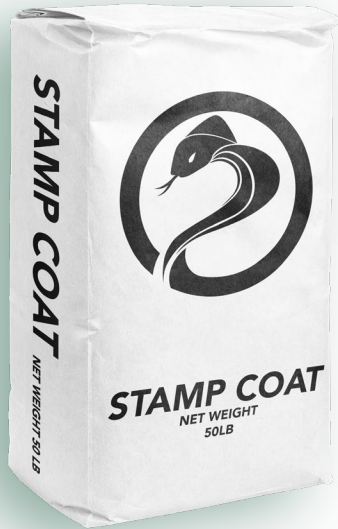
KEEP OUT OF REACH OF CHILDREN. Product is flammable. Avoid sources of ignition. Keep areas of installation well ventilated.

FURTHER INFORMATION

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Local Regulations concerning the safe handling of silica containing materials must be observed. Suitable protective clothing including eye protection must be worn at all times.

PRODUCT DATA SHEET

MEDUSA STAMP COAT



Medusa Stamp Coat is a stampable cementitious topping coat intended for restoring or improving both interior and exterior surfaces. It can create a wide variety of textures and patterns varying from wood to brick and paver.

It eliminates the needs for costly tear-outs and replacement of existing surfaces by restoring, repairing, resurfacing and accenting said existing hardscapes. It is a polymer rich overlay which increases the strength and adhesion of the finish to the existing surfaces.

APPLICATIONS

Medusa Stamp Coat has an infinite number of applications, but is most commonly used for:

- Driveways
- Garage Floors
- Patios
- Brick Pavers
- Pool Decks
- Concrete Block
- Theme Parks
- Themed Attractions

BENEFITS

Medusa Stamp Coat has a large list of benefits, including but not limited to:

- Hard wearing
- Texturable and Stampable
- Tintable and Stainable
- Abrasion Resistant
- UV stable

PACKAGING

50 pound bag (22.7 kg bag)

COVERAGE

1 - 50 lb (22.7 kg) bag of Stamp Coat
15-18 ft² @ 3/8" (1.4-1.7 m² @ 9.5mm)
20-24 ft² @ 1/4" (1.9-2.2m² @ 6.4mm)

MIXING RATIO

3.5-4 qt. (3.3-3.8 L) water to 1 50 lb
(22.7 kg) bag of Stamp Coat.

DENSITY

132 pounds/ft³ (2114 kg/m³)

APPLICATION TEMPERATURE

50°F - 90°F (10°C - 32°C)

CURE TIME

Initial set - 6-8 hours
Full Cure - 28 Days

APPEARANCE

White or gray powder

SHELF LIFE

Under normal, Moisture free conditions 1 year for an unopened container.

COMPRESSIVE STRENGTH

28 day 4350 PSI (29992 kPa)

FLEXURAL STRENGTH

28 day 945 PSI (6515 kPa)

TENSILE STRENGTH

28 day 440 PSI (3033 kPa)

SHEAR STRENGTH

28 day 280 PSI (1930 kPa)

ADHESIVE STRENGTH

28 day 190.3 PSI (1312 kPa)

ABRASION RESISTANCE

28 day <.55%

SURFACE PREPARATION

1. **Clean** - The surface must be free of dust, dirt, oil, grease, paints, glues, non- acrylic sealers, curing agents, efflorescence, chemical contaminants, rust, algae, mildew and other foreign matter that may serve as a bond breaker.
2. **Cured** - Any concrete must be sufficiently cured to have complete hydration, approximately 28 days depending on temperatures & humidity. Some cement-based products may cure sufficiently within 2 – 3 days.
3. **Sound** - No system should be placed on concrete or cement-based products that are flaking or spalling. If the surface is delaminating, then diamond grinding, shot blasting, or other mechanical means should be used to remove the delaminating areas.
4. **Profiled** - Proper profile should follow the standard established by the International Concrete Repair Institute (ICRI) Technical Guideline no. 03732 for Concrete Surface Profile (CSP). The established profile is categorized as CSP-1.

TEMPERATURE / CURE

1. Avoid high heat and windy conditions. Attempt to minimize application during harsh conditions. Keep materials shaded before application, and utilize cool water.
2. Apply within temperatures that are at and will remain within 50°F and 90°F for at least 24 hours.
3. Because Stamp Coat is thicker than the average overlay system, interiors and shaded areas will take longer to set and cure.

APPLICATION

Patching

1. Upon surface preparation, some areas may require patching prior to application of material. The use of cementitious based materials intended for patching is recommended.

Crack and Joint Treatment

1. Cracks will require treatment prior to installation of material. The use of strong matching or crack filling materials are recommended.
2. Never bridge over existing joints with Stamp Coat, as they will crack back through the top coat. All existing joints in the sub-slab must be honored in the top coat. The installation of expansion foam or joint sealant is suggested.

Bond Coat

1. Apply a generous coat of Bond Coat to a saturated surface, (dry to touch with no puddles).
2. Spread and apply with a squeegee.

Stamp Coat

1. While the Bond Coat is set but not cured, pour the Stamp Coat onto the surface. Gauge rake the product to the desired height for the stamp selected.
2. Smooth the surface with a magic trowel/ squeegee, pool trowel, fresno trowel, or a magnesium float.

Stamping

1. Allow product to begin to dry, yet remain plastic to the touch.
2. Spray Release Agent from a solvent resistant pump-up sprayer onto both the surface and the imprinting tools.
3. Progressively place and stamp material as material is dry enough to accept weight, and follow the customary methods of stamping.

Clean up

1. Allow Stamped area to dry and cure enough to accept foot traffic.
2. Cut away and remove double lines as needed.
3. Remove any latent release by tools and stamping products with water and a soft bristle brush.

Secondary Coloring

1. Depending on the application selected, secondary coloring will provide aesthetic appeal to the project. There are several methods available:
 - Water Based Stains
 - Solvent Based Stains
 - Antiquing Agent Powders
 - Color Hardeners

Refer to SDS/PDS of appropriate materials for application methods.

Sealing

1. To preserve and maintain the life and finished of the floor, we highly recommend the application of a sealant material to the finish floor. These can be either water based sealers, solvent based sealers, polyurethanes or polyaspartics.

Please refer to material SDS/PDS for application instructions.

We recommend the use of our 20% or 30% Solvent Based Sealers for low VOC applications, both interior and exterior.

SLIP RESISTANCE

Both OSHA (Occupational Safety and Health Administration) and the Department of Justice through ADA (Americans with Disabilities Act) have issued directives on minimum coefficient of friction. ADA states that accessible walkways have a minimum coefficient of friction of 0.6. Ramps have been directed to 0.8. The applicator assumes the responsibility to meet these standards.

CLEAN-UP

If spills or on tools, make sure to clean up Stamp Coat with cleaner or water before it dries.

DISPOSAL

Follow local guidelines for disposing hazardous products.

LIMITATIONS

- For use by trained professionals.
- Best performance on concrete slabs that has no ponding of standing water.
- When masking use caution while taping to a floor that is not cured fully, especially at edges, as delamination may occur.
- Protect floor from metal wheel traffic and any items that could be damaging.
- Certain chemicals may act as bond breakers and should be avoided.

CAUTIONS

KEEP OUT OF REACH OF CHILDREN. Product is flammable. Avoid sources of ignition. Keep areas of installation well ventilated.

FURTHER INFORMATION

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Local Regulations concerning the safe handling of silica containing materials must be observed. Suitable protective clothing including eye protection must be worn at all times.

PRODUCT DATA SHEET

MEDUSA COLOR PACKS



Medusa Color Packs are conveniently premeasured to individually tint any single overlay bag mix. Medusa Color Packs are pure, synthetic, iron oxide pigments that are UV stable and contain no fillers that will affect the performance of the overlay bag mix being tinted. Color consistency is maintained from sack to sack.

MIXING & APPLICATIONS

- Add required water to a 5 gal. (18.9 liter) pail as directed by appropriate overlay bag mix PDS.
- Empty SC Color into water prior to addition of dry bag mix.
- Mix with a handheld concrete mixer with a cage mixer blade. While mixing add overlay bag mix as directed in appropriate PDS. Note: multiple bag batches may be appropriate; always maintain mix ratio of 1 – SC Color (color pack) to 1 – overlay bag mix for color consistency.

SUITABILITY SAMPLE

Because job site conditions and requirements can vary significantly, always prepare a sample.

PACKAGING

Lbs. vary per pigment type.

COVERAGE

1-Medusa Color Pack to 1-50 lb. (22.7 kg) bag of Medusa Cement (Natural or White)

APPLICATION TEMPERATURE

N/A

ODOR

N/A

SHELF LIFE

Under normal conditions: when kept dry and moisture free, out of direct sunlight, the shelf life of an unopened sack is (12) months from the date of purchase. Storage must be under roof and off the floor. Rotate inventory to maintain product that is within limits.

COLOR

50+ Standard Colors.
Custom Colors Available.

DISPOSAL

Contact your local government household hazardous waste coordinator for information on disposal of unused product.

LIMITATIONS

For use by trained professionals that have read the complete SDS.

FURTHER INFORMATION

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Suitable protective clothing including eye protection must be worn at all times.

PRODUCT DATA SHEET

MEDUSA LIQUID RELEASE AGENT



PACKAGING
5 Gal (pail)

COVERAGE
Approx. 204 ft² per Gallon

VOC Content
0g/L

APPLICATION TEMPERATURE
400°F above

ODOR
Bubblegum

CURE TIME
N/A

APPEARANCE
Colorless

SHELF LIFE
Under normal conditions: when kept dry and moisture free out of direct sunlight, the shelf life of an un-opened container is 12 months from the date of purchase. Storage must be under roof and off the floor. Avoid extreme temperatures Rotate inventory to maintain product that is within limits

Medusa Liquid Release Agent is a colorless, bubblegum scented petroleum distillate. This release agent has been formulated to release any decorative imprinting tool from concrete or polymer modified cementitious topping.

Medusa Liquid Release Agent provides a lubricating barrier that protects and prolongs the life of stamping tools and evaporates from the cementitious surface leaving minimal residue.

APPLICATIONS

Medusa Liquid Release Agent has an infinite number of applications, but is most commonly used for:

- Stamped Concrete
- Stamped Overlay
- Texture systems
- Imprinting
- Stamp tools

BENEFITS

Medusa Liquid Release Agent has a large list of benefits, including but not limited to:

- Colorless
- Bubblegum scented
- Prolongs life of tools

APPLICATION

Liquid Release Agent is used by misting the cementitious surface with a pump-up sprayer. Imprinting tools must have their texture face saturated prior to stamping. Apply as much release as can be covered with each tool and within a few minutes in temperatures above 40°F.

Direct sunlight and windy conditions will accelerate the evaporative properties.

CLEAN UP

Before the product dries; spills and tools can be cleaned up with a solvent such as xylene or acetone.

DISPOSAL

Follow local guidelines for disposing hazardous products.

LIMITATIONS

For use by trained professionals.

CAUTIONS

KEEP OUT OF REACH OF CHILDREN. Product is flammable. Avoid sources of ignition. Keep areas of installation well ventilated.

FURTHER INFORMATION

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Local Regulations concerning the safe handling of solvent based materials must be observed. Suitable protective clothing including eye protection must be worn at all times.

PRODUCT DATA SHEET

MEDUSA ANTIQUING COLOR STAIN



Medusa Antiquing Color Stain is a liquid form, semi-transparent, water based penetrating concrete stain. Medusa Antiquing Color Stain uses the concrete porosity and natural desire to take in moisture and allows it to pull in the unique micronized pigments to transform boring, lifeless concrete into a multi-colored, antiqued, variegated surface.

When you choose any one of the twenty-nine colors, you are in control of its movement and beauty with its eco-friendly, zero VOC, no rinsing, no neutralizing formula.

APPLICATIONS

Medusa Antiquing Color Stain has an infinite number of applications, but is most commonly used for:

- Concrete and Concrete Overlays
- Floors, walls, ceilings, countertops, wall panels and other architectural elements in residential and commercial settings.

BENEFITS

Medusa Antiquing Color Stain has a large list of benefits, including but not limited to:

- Uses natural concrete porosity
- Creates unique surfaces
- 29 colors to chose from
- Eco-friendly

PACKAGING

- 4 oz. (118mL) bottle
- 32 oz. (947 mL) concrete bottle
- 128 oz. (3.8 L) concrete jug

COVERAGE

200 ft.² at "standard strength" (18.6 m²) per gallon (3.8 L)

APPLICATION TEMPERATURE

Surface and ambient temperatures must consistently range between 50°F (10°C) - 90°F (32°C) for 24 hours.

ODOR

N/A

CURE TIME

14–28 days, or once concrete is fully cured.

SHELF LIFE

Under normal conditions: when kept dry and moisture free, out of direct sunlight, the shelf life of an unopened container is (12) months from the date of purchase. Storage must be under roof and off the floor. Rotate inventory to maintain product that is within limits.

MIXING RATIO

See specific instructions below.

SURFACE PREPARATION

- 1. Clean** - The surface must be free of dust, dirt, oil, grease, paints, glues, sealers, curing agents, stamp tool releases, efflorescence, chemical contaminants, rust, algae, mildew and other foreign matter that may prevent proper adhesion. Customarily SCR is appropriate for cleaning. Refer to the TDS for SCR. Some cleaning may require other measures that should be evaluated (e.g. grinding, shot blasting).
- 2. Cured** - Antiquing Color Stain is best used on cured concrete and cured concrete overlays. One may apply Antiquing Color Stain on not fully cured concrete, final color may not be realized until 14–28 days, or once concrete is fully cured.
- 3. Sound** - No system should be placed on concrete or overlays that are flaking or spalling.
- 4. Profiled** - Concrete Renovator is utilized on every project to properly clean and profile concrete and cement based overlays. On surfaces mechanically abraded, Concrete Renovator is still recommended.

NOTE: Some substrates are excessively porous. Concrete and cement based overlays that were finished poorly [not closed with a steel trowel], broomed, or are very old may absorb Eco-Stain so deeply that little color, if any, is visible. On these projects the use of Eco-Prime is required.

TEMPERATURE / CURE

As Medusa Antiquing Color Stain must be sealed, temperature and cure are addressed according to the selected sealer's requirements. Typically apply when surface and ambient temperatures range between 50°F (10°C) and 90°F (32°C) and will remain that way for 24 hours.

MIXING / APPLICATION

Medusa Antiquing Color Stain comes in (3) different sizes, each designed to match the color chart. The

color chart is based on two-applications of the Color Stain at "standard strength". Identify which of the three sizes of Medusa Antiquing Color Stain you have and follow the mixing instructions for that exact size to ensure you are at "standard strength".

32 oz. Concentrate

Designed to be mixed with water in order to match the color chart. Thoroughly shake the bottle to evenly dispense pigment for 10-15 seconds. Pour the Color Stain in to a 1 gallon mixing container (or larger) and add 96 ounces of clean water (3 quarts), and then mix for 10-15 seconds. At this point, you have created 1-gallon of "standard strength" Color Stain. Medusa Antiquing Color Stain can be diluted, if desired, to create a new shade not on the color chart. This dilution can vary from "standard strength" to approximately 4 parts water to 1 part Color Stain (4:1).

128 oz. Concentrate

Designed to be mixed with water in order to match the color chart. Thoroughly shake the bottle to evenly dispense pigment for 10-15 seconds. Pour the Color Stain in to a 5-gallon mixing container (or larger) and add 512 ounces (4 gallons) of clean water, and then mechanically mix for 1-2 minutes.

At this point, you have created 5-gallons of "standard strength" Color Stain. Medusa Antiquing Color Stain can be diluted, if desired, to create a new shade not on the color chart. This dilution can vary from "standard strength" to approximately 4 parts water to 1 part Color Stain (4:1).

4 oz.

Medusa Antiquing Color Stain is "standard strength". To match color chart no dilution is required. Medusa Antiquing Color Stain can be diluted, if desired, to create a new shade not on the color chart. This dilution can vary from "standard strength" to approximately 4 parts water to 1 part Color Stain (4:1).

SLIP RESISTANCE

Medusa Antiquing Color Stain alone does not affect slip resistance, but the sealer selected to finish the project will influence this matter.

CLEAN UP

Before the product dries, spills and tools can be cleaned up with water.

DISPOSAL

Contact your local government household hazardous waste coordinator for information on disposal of unused product.

LIMITATIONS

Raw material supply for the specialized pigments may vary by batch. For use by trained professionals that have read the complete SDS.

CAUTIONS

KEEP OUT OF REACH OF CHILDREN.

FURTHER INFORMATION

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet.

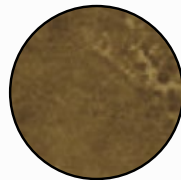
COLOR



NAVY BLUE



MAGNET



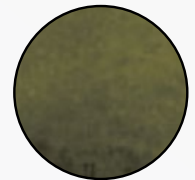
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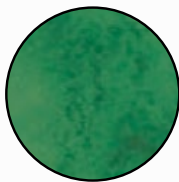
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HARVEST YELLOW



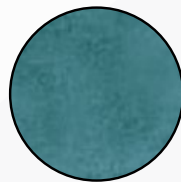
GREEN OLIVE



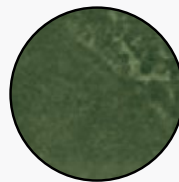
FIR GREEN



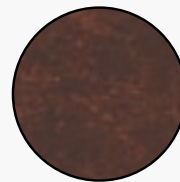
ESPRESSO



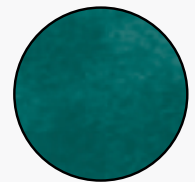
EPIC BLUE



COOL FOREST



BURNT CRIMSON



BERMUDA BLUE



BEECHNUT



AZTEC GOLD



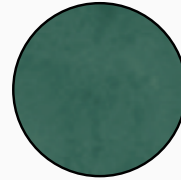
AUTUMN GOLD



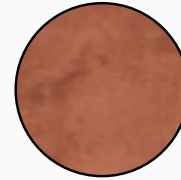
ARBOR GREEN



DOMINO



MIDNIGHT



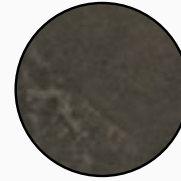
TERRA COTTA



WHITE



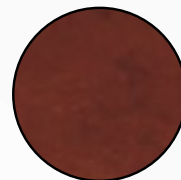
WALNUT



TITANIUM



THAI GREEN



SPANISH RED



SAFARI TAN



RUBY



PEWTER



OAK



ORANGE BLOSSOM

PRODUCT DATA SHEET

MEDUSA ANTIQUING AGENT



Medusa Antiquing Agent is a water-based, non-hazardous, zero VOC, UV stable coloring agent that bonds to any textured concrete or cement-based surface, including overlays. A single-color, boring, lifeless concrete surface can be transformed into a multi-colored, antiqued, variegated surface.

Medusa Antiquing Agent may also be used for the restoration of old, dull, weathered stamped concrete or textured overlays. Medusa Antiquing Color is available in ten colors.

APPLICATIONS

Medusa Antiquing Agent has an infinite number of applications, but is most commonly used for:

- Antiquing concrete surfaces
- Restoring concrete or texture overlays

BENEFITS

Medusa Antiquing Agent has a large list of benefits, including but not limited to:

- Non-hazardous
- UV Stable
- 10 available colors

PACKAGING

3 Gal. pail (containing 5 oz. measuring scoop). Each pail contains approx. 16 scoops.

COVERAGE

200-300 ft² (18.6-27.9m²) per mixed gal.

APPLICATION TEMPERATURE

N/A

ODOR

N/A

CURE TIME

28 Days approx.

SHELF LIFE

Under normal conditions: when kept dry and moisture free, out of direct sunlight, the shelf life of an unopened bag is 12 months from the date of purchase. Storage must be under roof and off the floor. Rotate inventory to maintain product that is within limits

MIXING RATIO

One-half to two scoops (scoop included) dry powder Antiquing Color to 5-gallons (18.9 liters) water. Depends on desired intensity.

SURFACE PREPARATION

1. **Clean** - The surface must be free of dust, dirt, oil, grease, paints, glues, sealers, curing agents, efflorescence, chemical contaminants, rust, algae, mildew, and other foreign matter that may prevent proper adhesion.

*Note: a decorative concrete system that is prepped for resealing may be "refreshed" with Antiquing Color.

2. **Cured** - Any concrete must be sufficiently cured to have complete hydration, approximately 28 days depending on temperatures and humidity.

3. **Sound** - No system should be placed on flaking or spalling concrete.

4. **Profiled** - Not normally required.

TEMPERATURE / CURE

This is only addressed due to the selected sealer's requirements. Because it mixes with water, use caution as substrate and ambient temperatures fall, and allow sufficient drying, as to not adversely affect sealers' performance.

MIXING & APPLICATIONS

Mixing and Handling

1. One-half to two scoops (0.12 - 0.47 L) dry powder Medusa Antiquing Agent to five gallons (3.8 L) of clean water (depending on desired intensity of color).
2. Mechanically mix until all powder is completely dispersed.
3. Medusa Antiquing Agent may settle out of suspension during extended breaks in application. Agitate or stir contents as required.

Example: Shake the pump-up sprayer or swish the brush around in the pail. Because of the product's extreme versatility, there are many methods of application, accenting and coloring; all of which

can be combined and altered to some degree. The applicator has enormous latitude in selecting methods, particularly since Medusa Antiquing Agent is nonhazardous and can be completely removed prior to sealing, if correction is required.

Common Methods Include:

1. Spraying with a pump-up sprayer: Utilize a cone tip or move sprayer wand in a circular motion to avoid "tracking."
2. Garden sprinkler can: Simply sprinkle or pour product evenly on the surface.
3. Pail with broom or brush: Pour product from pail and push around with broom or brush as desired. Or dunk brush in pail and push around as desired.

Medusa Antiquing Agent will settle out varying concentrations of pigment based on depth of texture and brushing. Colors may be combined or layered utilizing any of the techniques described above. To soften the color variation, some applicators prefer to dampen the substrate with water prior to application. Applying water over the Antiquing Color will also soften the color. If desired, sufficient water applied to the colored surface combined with broom or brush agitation will remove color.

SLIP RESISTANCE

The product alone does not affect slip resistance, but the sealer selected to finish the project can. Two recognized US agencies have issued directives on minimum coefficient of friction, the Occupational Safety and Health Administration (OSHA) and the Department of Justice through the Americans with Disabilities Act (ADA). The ADA is the more stringent of the two. The ADA directs that accessible walkways have a minimum coefficient of friction of 0.6. Ramps have been directed to be 0.8. The applicator assumes the responsibility to meet these standards. Exterior surfaces or surfaces that may become wet, oily, or greasy require special attention.

SUITABILITY SAMPLE

Always prepare an adequate number of test areas. Wear proper protection system and use aesthetics suitable for products' intended use. Samples created on site prior to sealing may be removed.

CLEAN UP

Before the product dries, spills and tools can be cleaned up with water.

DISPOSAL

Follow local guidelines for disposing hazardous products.

LIMITATIONS

For use by trained professionals. Not designed to be a wear surface.

CAUTIONS

KEEP OUT OF REACH OF CHILDREN. When used according to direction, no hazard is anticipated. Inhalation: Avoid prolonged breathing of airborne dust, particularly present during mixing. Use NIOSH approved respirator for nuisance if threshold limit values are unsafe.

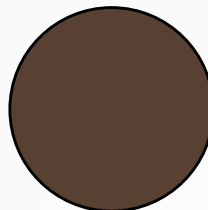
Skin Contact: Skin contact may cause irritation. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before reuse. If symptoms persist, seek medical attention.

Eyes: Wear safety eye protection when applying. Contact with eyes may cause irritation. Flush eyes with water for 15 minutes. If symptoms persist, seek medical attention.

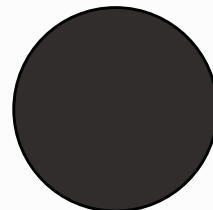
FURTHER INFORMATION

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Local Regulations concerning the safe handling of silica containing materials must be observed. Suitable protective clothing including eye protection must be worn at all times.

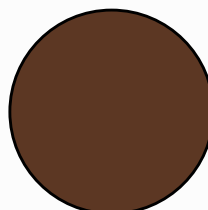
COLORS



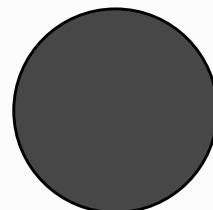
BROWN DERBY



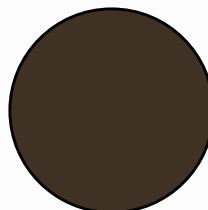
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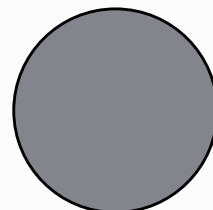
CHOCOLATE



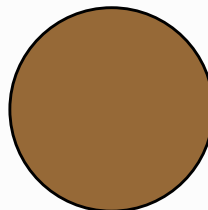
GRAY



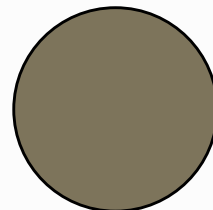
DARK WALNUT



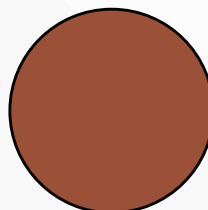
SILVER



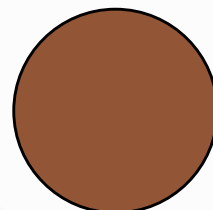
MAPLEWOOD



SAND BUFF



TILE RED



TERRA COTTA

PRODUCT DATA SHEET

MEDUSA CLEAR SOLVENT SEALER (20%)



Medusa Clear Solvent Sealer is a single component solvent-based acrylic sealer with 20% Solids. It is a color enhancing high gloss sealer that has been developed for concrete and other cementitious surfaces.

This product is a vapor permeable product but also reduces the penetration of fluids into the surface. Ideal for driveways, garage floor, patios, brick pavers, pool decks, stucco and concrete block.

APPLICATIONS

Medusa Clear Solvent Sealer has an infinite number of applications, but is most commonly used for:

- Driveways
- Garage Floors
- Patios
- Brick Pavers
- Pool Decks
- Concrete Block
- Theme Parks
- Themed Attractions

BENEFITS

Medusa Clear Solvent Sealer has a large list of benefits, including but not limited to:

- Hard wearing
- Vapor Permeable
- Improves Stain
- Abrasion Resistant
- UV Protection

PACKAGING

5 Gal (pail)
55 Gal (drum)

COVERAGE

Varies upon substrate, approximately 180-200 ft² per gal., per coat (16.7m² pr 3.8L, per coat) 8-8.9 mils wet; 1.6 - 1.8 mils cured.

VOC CONTENT

600g/L

APPLICATION TEMPERATURE

50°F - 90°F

ODOR

Solvent

CURE TIME

Foot Traffic - 24 hours
Vehicular Traffic - 72 hours

APPEARANCE

Cured - Clear high gloss
Wet - Clear

SHELF LIFE

Under normal, moisture free conditions, 2 years for an un-opened container.

WATER RESISTANCE

Excellent, beads water

MECHANICAL STABILITY

Excellent

LIGHT STABILITY

Excellent

SOLIDS

20%

DILUENT

Hydrocarbons

SURFACE PREPARATION

- 1. Clean** - The surface must be free of dust, dirt, oil, grease, paints, glues, non- acrylic sealers, curing agents, efflorescence, chemical contaminants, rust, algae, mildew and other foreign matter that may serve as a bond breaker.
- 2. Cured** - Any concrete must be sufficiently cured to have complete hydration, approximately 28 days depending on temperatures & humidity. Some cement-based products may cure sufficiently within 2 – 3 days.
- 3. Sound** - No system should be placed on concrete or cement-based products that are flaking or spalling. If the surface is delaminating, then diamond grinding, shot blasting, or other mechanical means should be used to remove the delaminating areas.
- 4. Profiled**- Proper profile should follow the standard established by the International Concrete Repair Institute (ICRI) Technical Guideline no. 03732 for Concrete Surface Profile (CSP). The established profile is categorized as CSP-1.

Recoating

Concrete Clear Sealer may be a good choice to reseal or refresh an existing decorative concrete project. The surface must first be cleaned prior to application.

- A. Mechanically:** Diamond grinding or shot blasting
- B.** You should only use this product to re-coat an existing solvent based acrylic. You can determine an unknown existing sealer by placing a paper towel saturated with xylene over a small area. Cover the towel with plastic and allow it to remain in place for about 15 minutes. Solvent based acrylic may feel slippery to the touch, but water based acrylic turns into a slimy mess that can be scraped off with ease.
- C.** Before re-coating, prepare on-site onto a small test area on the intended substrate to establish

compatibility of solvents and avoid blistering and delamination.

- D.** Re-coat applications may be complete with a single coat, always evaluate to see if a second coat is needed. Best performance is achieved through thin coat(s).

APPLICATION

Planning

1. This is a flammable product therefore for all interior applications, turn off all fuel burning applications and pilot lights.
2. Ensure the area of application is well ventilated.
3. Make sure you have the correct PPE on site ready to use. Respirators should be NIOSH approved.

Temperature / Weather

1. On very hot or cold days or during wet / foggy weather we would recommend avoiding installation.
2. Apply within temperatures that are at and will remain within 50°F and 90°F for at least 24 hours.
3. Do not use on an outdoor application if precipitation is forecasted within 24 hours

First Coat

1. Rolling

- Utilize a bucket grid to apply in a thin film.
- Make sure you have a roller with solvent resistant core and the NAP size will vary depending on the texture.
- Make sure there is no puddling.
- When rolling back take care to avoid roller tracks.

2. Airless Spraying

- Airless Sprayer should be capable of a minimum .5 gpm discharge.
- Tip Size approximately .015" - .019" with a 65° fan.
- Horizontal surface utilize an 8" - 10" extension.

- Maintain a wet edge between passes.

3. Pump-up Sprayer

- Purchase a solvent resistant sprayer.
 - Purchase fan or cone tip as preferred that can pass 20% solids products.
 - Have sufficient tips on hand to allow clean-up that will not interrupt the installation.
 - If required, back roll sprayed area to lay product flat.
4. Once the first coat has cured enough for walking traffic, you can apply a second coat if required. Best protection is usually achieved by two thin coats.

Second Coat

Apply in the same way as first coat after the first coat has cured.

- Foot Traffic - 24 hours curing time
- Vehicular Traffic - 72 hours curing time

SLIP RESISTANCE

Both OSHA (Occupational Safety and Health Administration) and the Department of Justice through ADA (Americans with Disabilities Act) have issued directives on minimum coefficient of friction. ADA states that accessible walkways have a minimum coefficient of friction of 0.6. Ramps have been directed to 0.8. The applicator assumes the responsibility to meet these standards.

CLEAN UP

If spills or on tools, make sure to clean up concrete sealer with xylene or acetone before the product dries.

DISPOSAL

Follow local guidelines for disposing hazardous products.

LIMITATIONS

- For use by trained professionals.
- Best performance on concrete slabs that have no

ponding of standing water.

- When masking use caution while taping to a floor that is not cured fully, especially at edges, as delamination may occur.
- Protect floor from metal wheel traffic and any items that could be damaging.
- Chemical used in tire manufacturing may be detrimental to all sealer from vehicular parking.

CAUTIONS

KEEP OUT OF REACH OF CHILDREN. Product is flammable. Avoid sources of ignition. Keep areas of installation well ventilated.

Inhalation: Use NIOSH approved respirator for organic vapors.

Skin Contact: Skin contact may cause irritation. Remove contaminated clothing immediately and wash effected area with soap and water. Wash clothing before using again. If symptoms persist seek medical attention immediately.

Eyes: Wear safety eye protection when installing this product. If contact occurs, flush eye with water for 15 minutes, seek medical attention.

FURTHER INFORMATION

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Local Regulations concerning the safe handling of solvent based materials must be observed. Suitable protective clothing including eye protection must be worn at all times.

PRODUCT DATA SHEET

MEDUSA CLEAR SOLVENT SEALER (20%)

TEST DATA

TEST	ASTM (IF APPLICABLE)	RESULTS
Blush	4 hr. dry / 18 hr. immersion	No Blush
Adhesion	D-3359	
Dry Concrete		Excellent
Wet Concrete		Excellent
QUV accelerated weather testing	G-53	250 hr. - no blistering, no yellowing
Abrasion resistance		12.5 grams loss
Block resistance	D-4946	Excellent
Heat Stability @ 120°F	D-1849	Excellent
Film formation @ 40°F		Passed
Water Absorption		2.4 g / m ³
Pencil Hardness	D-3363	HB-H
Hot tire pick-up		Passed*

*Under extreme circumstances delaminating could occur. All tire manufacturers were not tested. Chemicals used in tire manufacturing may be detrimental to all sealers from vehicular parking.

CHEMICAL RESISTANCE

TESTING ASTM D-1308	
Transmission Fluid	Resistant
Gasoline	Remove immediately
Formula 409	Resistant
Motor oil	Resistant
Brake Fluid	Remove immediately

PRODUCT DATA SHEET

MEDUSA CLEAR SOLVENT SEALER (30%)



Medusa Clear Solvent Sealer is a single component solvent-based acrylic sealer with 20% Solids. It is a color enhancing high gloss sealer that has been developed for concrete and other cementitious surfaces.

This product is a vapor permeable product but also reduces the penetration of fluids into the surface. Ideal for driveways, garage floor, patios, brick pavers, pool decks, stucco and concrete block.

APPLICATIONS

Medusa Clear Solvent Sealer has an infinite number of applications, but is most commonly used for:

- Driveways
- Garage Floors
- Patios
- Brick Pavers
- Pool Decks
- Concrete Block
- Theme Parks
- Themed Attractions

BENEFITS

Medusa Clear Solvent Sealer has a large list of benefits, including but not limited to:

- Hard wearing
- Vapor Permeable
- Improves Stain
- Abrasion Resistant
- UV Protection

PACKAGING

5 Gal (pail)
55 Gal (drum)

COVERAGE

Varies upon substrate, approximately 180-200 ft² per gal., per coat (16.7m² pr 3.8L, per coat) 8-8.9 mils wet; 1.6 - 1.8 mils cured.

VOC CONTENT

600g/L

APPLICATION TEMPERATURE

50°F - 90°F

ODOR

Solvent

CURE TIME

Foot Traffic - 24 hours
Vehicular Traffic - 72 hours

APPEARANCE

Cured - Clear high gloss
Wet - Clear

SHELF LIFE

Under normal, moisture free conditions, 2 years for an un-opened container.

WATER RESISTANCE

Excellent, beads water

MECHANICAL STABILITY

Excellent

LIGHT STABILITY

Excellent

SOLIDS

30%

DILUENT

Hydrocarbons

SURFACE PREPARATION

- 1. Clean** - The surface must be free of dust, dirt, oil, grease, paints, glues, non- acrylic sealers, curing agents, efflorescence, chemical contaminants, rust, algae, mildew and other foreign matter that may serve as a bond breaker.
- 2. Cured** - Any concrete must be sufficiently cured to have complete hydration, approximately 28 days depending on temperatures & humidity. Some cement-based products may cure sufficiently within 2 – 3 days.
- 3. Sound** - No system should be placed on concrete or cement-based products that are flaking or spalling. If the surface is delaminating, then diamond grinding, shot blasting, or other mechanical means should be used to remove the delaminating areas.
- 4. Profiled**- Proper profile should follow the standard established by the International Concrete Repair Institute (ICRI) Technical Guideline no. 03732 for Concrete Surface Profile (CSP). The established profile is categorized as CSP-1.

Recoating

Concrete Clear Sealer may be a good choice to reseal or refresh an existing decorative concrete project. The surface must first be cleaned prior to application.

- A. Mechanically:** Diamond grinding or shot blasting
- B.** You should only use this product to re-coat an existing solvent based acrylic. You can determine an unknown existing sealer by placing a paper towel saturated with xylene over a small area. Cover the towel with plastic and allow it to remain in place for about 15 minutes. Solvent based acrylic may feel slippery to the touch, but water based acrylic turns into a slimy mess that can be scraped off with ease.
- C.** Before re-coating, prepare on-site onto a small test area on the intended substrate to establish

compatibility of solvents and avoid blistering and delamination.

- D.** Re-coat applications may be complete with a single coat, always evaluate to see if a second coat is needed. Best performance is achieved through thin coat(s).

APPLICATION

Planning

1. This is a flammable product therefore for all interior applications, turn off all fuel burning applications and pilot lights.
2. Ensure the area of application is well ventilated.
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First Coat

1. Rolling

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- Airless Sprayer should be capable of a minimum .5 gpm discharge.
- Tip Size approximately .015" - .019" with a 65° fan.
- Horizontal surface utilize an 8" - 10" extension.

- Maintain a wet edge between passes.

3. Pump-up Sprayer

- Purchase a solvent resistant sprayer.
 - Purchase fan or cone tip as preferred that can pass 30% solids products.
 - Have sufficient tips on hand to allow clean-up that will not interrupt the installation.
 - If required, back roll sprayed area to lay product flat.
4. Once the first coat has cured enough for walking traffic, you can apply a second coat if required. Best protection is usually achieved by two thin coats.

Second Coat

Apply in the same way as first coat after the first coat has cured.

- Foot Traffic - 24 hours curing time
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SLIP RESISTANCE

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CLEAN UP

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DISPOSAL

Follow local guidelines for disposing hazardous products.

LIMITATIONS

- For use by trained professionals.
- Best performance on concrete slabs that have no

ponding of standing water.

- When masking use caution while taping to a floor that is not cured fully, especially at edges, as delamination may occur.
- Protect floor from metal wheel traffic and any items that could be damaging.
- Chemical used in tire manufacturing may be detrimental to all sealer from vehicular parking.

CAUTIONS

KEEP OUT OF REACH OF CHILDREN. Product is flammable. Avoid sources of ignition. Keep areas of installation well ventilated.

Inhalation: Use NIOSH approved respirator for organic vapors.

Skin Contact: Skin contact may cause irritation. Remove contaminated clothing immediately and wash effected area with soap and water. Wash clothing before using again. If symptoms persist seek medical attention immediately.

Eyes: Wear safety eye protection when installing this product. If contact occurs, flush eye with water for 15 minutes, seek medical attention.

FURTHER INFORMATION

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Local Regulations concerning the safe handling of solvent based materials must be observed. Suitable protective clothing including eye protection must be worn at all times.

PRODUCT DATA SHEET

MEDUSA CLEAR SOLVENT SEALER (30%)

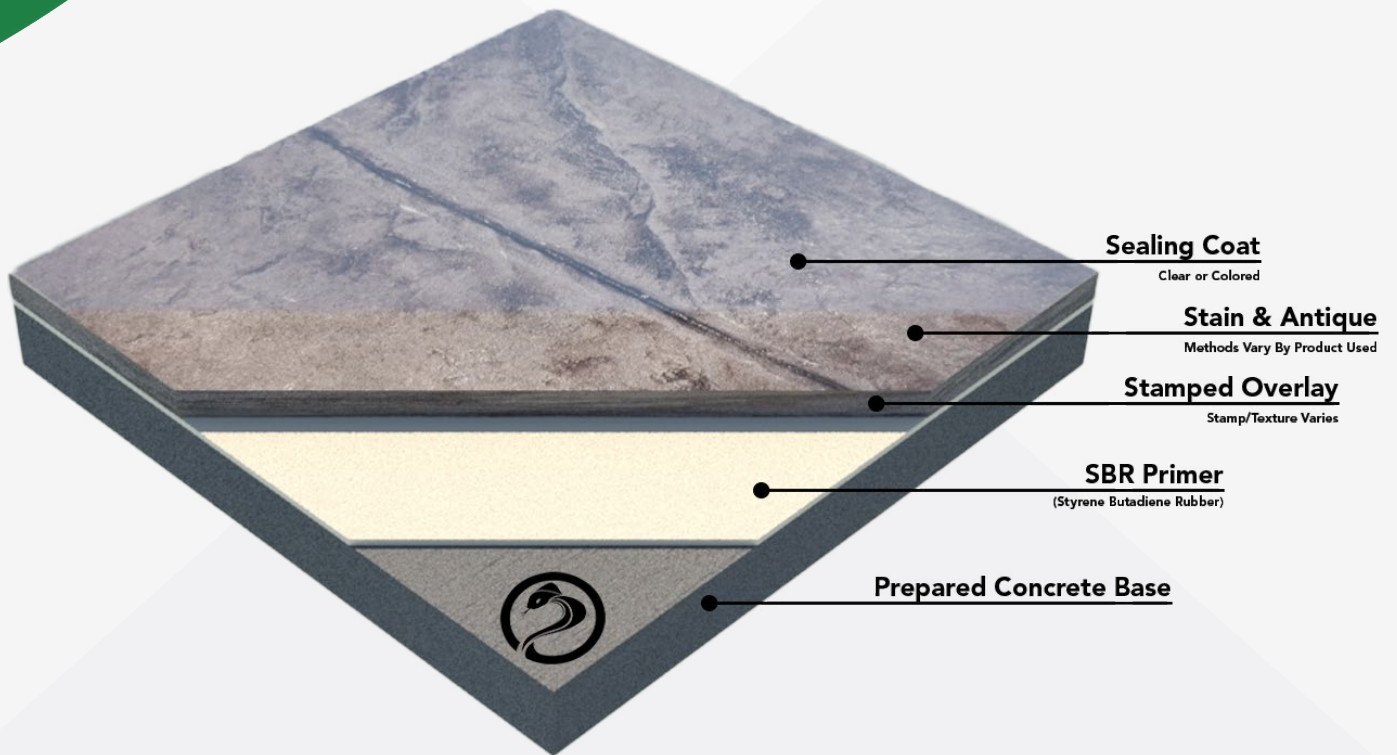
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TEST	ASTM (IF APPLICABLE)	RESULTS
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Adhesion	D-3359	
Dry Concrete		Excellent
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Abrasion resistance		12.5 grams loss
Block resistance	D-4946	Excellent
Heat Stability @ 120°F	D-1849	Excellent
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Water Absorption		2.4 g / m ³
Pencil Hardness	D-3363	HB-H
Hot tire pick-up		Passed*

*Under extreme circumstances delaminating could occur. All tire manufacturers were not tested. Chemicals used in tire manufacturing may be detrimental to all sealers from vehicular parking.

CHEMICAL RESISTANCE

TESTING ASTM D-1308	
Transmission Fluid	Resistant
Gasoline	Remove immediately
Formula 409	Resistant
Motor oil	Resistant
Brake Fluid	Remove immediately



SAFETY DATA SHEETS

01. Medusa Bond Coat

02. Medusa Stamp Coat

03. Medusa Color Packs

04. Medusa Liquid Release Agent

05. Medusa Antiquing Color Stain

06. Medusa Antiquing Agent

07. Medusa Clear Solvent Sealer (20%)

08. Medusa Clear Solvent Sealer (30%)