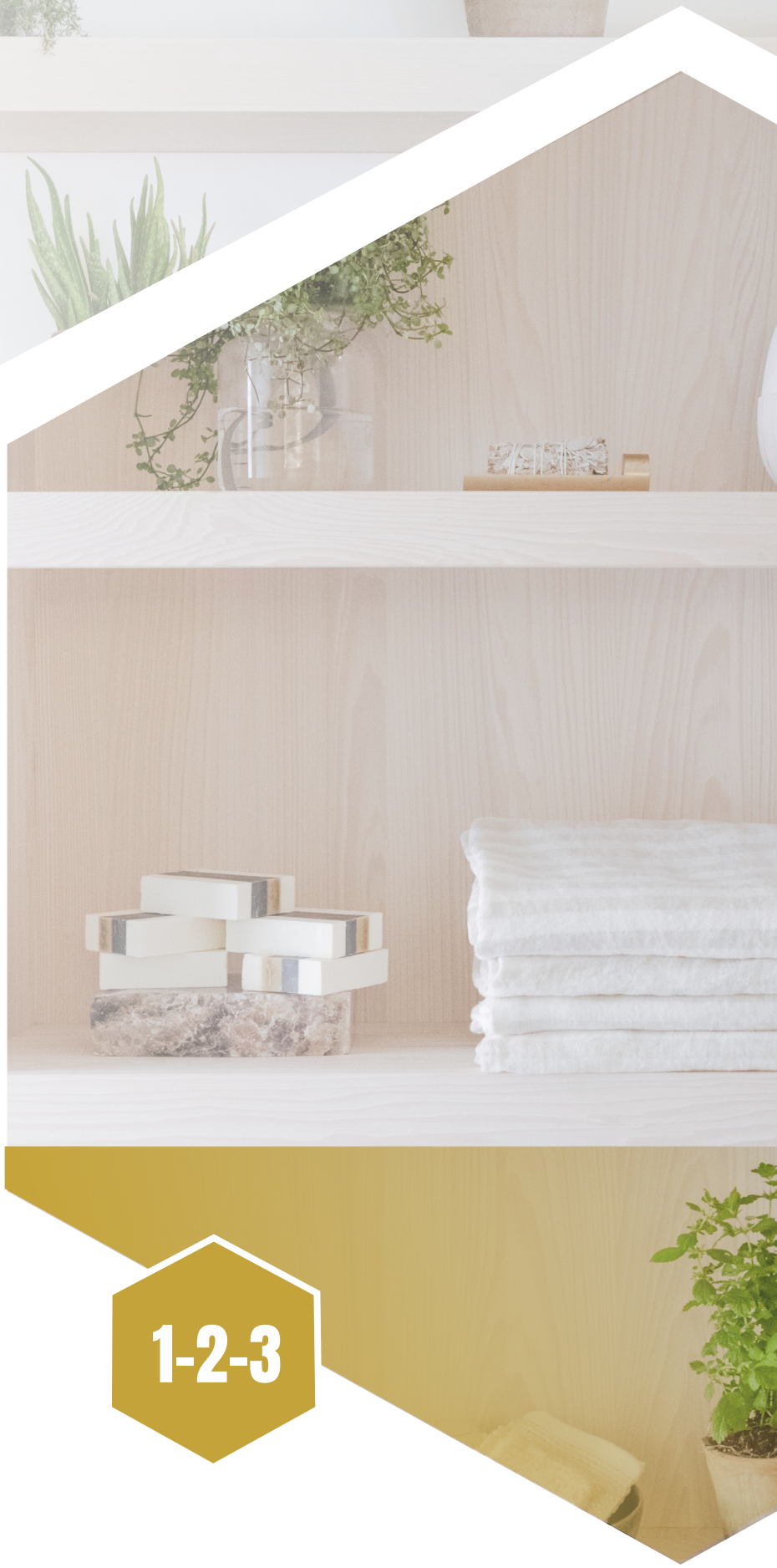
THANK YOU

FOR CHOOSING

DIY CONCRETE.COM

DESIGN & DO



BEFORE BEGINNING ANY PROJECT

Please review the enclosed training and materials packet in full, including:

- INSTRUCTION SHEET
- TECH DATA SHEET
- SAFETY DATA SHEET

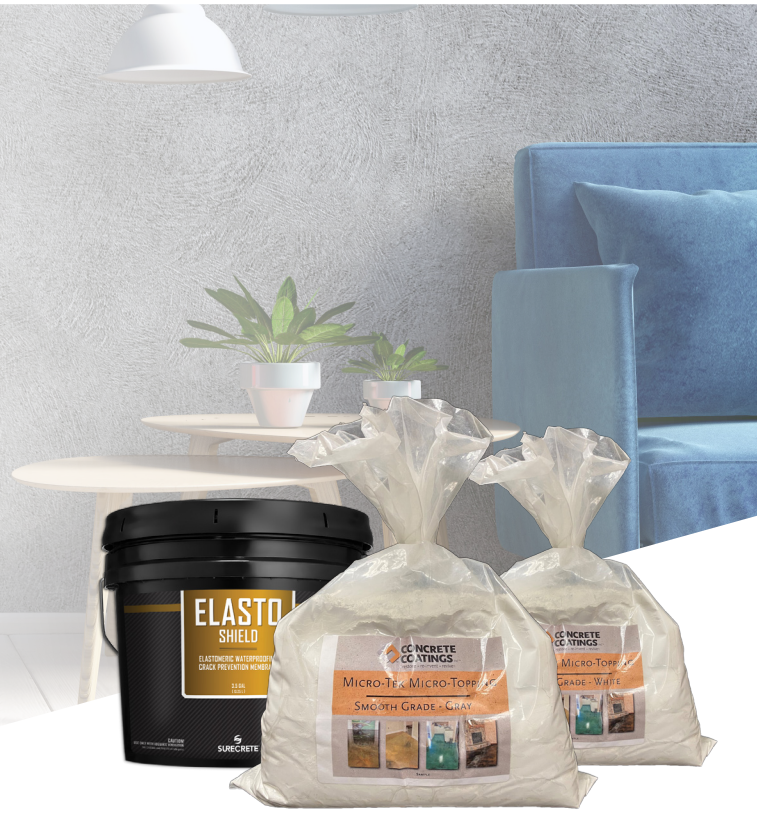
1-2-3

Review the Step-By-Step Instructional Video Anytime at:
https://diyconcrete.com/collections/turn-my-drywall-into-concrete

DIY CONCRETE.COM

INSTRUCTION SHEET

TURN MY DRYWALL INTO CONCRETE



When it comes to home decor, concrete is quickly becoming the ultimate fashion statement. And as one of the most versatile building materials in the world - it doesn't just end with floors. Utilizing this just-add-water concrete mix, you can instantly upgrade any wall or vertical surface into a stylish and beautiful piece of concrete.

DIFFICULTY RATING

BEFORE YOU BEGIN THIS PROJECT

Please review all of the materials and tools required to ensure you have everything needed for the project.

MATERIALS

- ☐ (1) Elasto-Shield Waterproofing/Crack Suppressant (1 gallon)
- ☐ (2) Micro-Tek Micro-topping Smooth, (20 lb) White on White, Gray on Gray, or White on Gray
- ☐ 4-5 Quarts Water

Optional Materials

- ☐ (1) SC Color Pack
- ☐ (1) SuperSeal Plus

TOOLS

- ☐ (1) 2-quart Mixing Bucket
- ☐ (1) 14" Steel Cement Trowel
- ☐ (1) 3" Putty Knife
- ☐ (1) Utility Knife
- ☐ (1) Jiffy Mixing Paddle
- ☐ (1) 9" Paint Tray
- ☐ (1) 9" Roller Frame/Cover
- ☐ (1) 2" Painter's Tape
- ☐ (1) 12" Masking Paper
- ☐ (1) Gloves
- ☐ (1) Safety Glasses

STEP 1: PREP

ELASTO-SHIELD WATERPROOFING/CRACK SUPPRESSANT (1 GALLON)

1. Apply with a traditional 9” paint roller until you have achieved uniform coverage across the wall. Use the pink coloring of the product as a visual guide to ensure that there are no missed spots.
2. Allow to dry.

STEP 2: BASE COAT

BAG 1 OF MICRO-TEK MICRO-TOPPING SMOOTH, (20 LB), 4-5 QUARTS WATER, AND OPTIONAL SC COLOR PACK

IMPORTANT NOTE ON COLOR CONTROL:

Use the same amount of water for each bag you mix to keep consistency of color when applying Micro-Tek. This applies whether or not you are using an SC Color Pack.

IF ADDING COLOR WITH AN SC COLOR PACK TO WHITE MICRO-TEK

1. Pour 1-2 quarts of water into a clean 5-gallon bucket and add .25 lb of the SC Color Pack Dry Pigment. You’ll be using half the bag of dry pigment in this step, but it is important to weigh the pigment to achieve consistent color between coats.
2. Fully mix the pigment into the water, ensuring there are no clumps and nothing is stuck to the wall or bottom of the bucket.
3. Once the pigment is fully mixed, add half (10 lbs) of the first bag of MICRO-TEK material into the mixture.
4. Mix with a jiffy paddle mixer on an electric drill for about 1 minute, and then add the remaining water (3-4 quarts) and dry material for the first bag, tempering with water until you achieve a lump free, peanut butter consistency.
5. Let set for two minutes, then come back and reagitate with the mixer before applying the material to the wall.
6. Use a standard concrete finishing trowel to apply the material in a thin, consistent coat.
7. Work the material back and forth across the surface and ensure there are no high points or heavy accumulations.
8. Allow to dry.

IF NOT ADDING COLOR WITH AN SC COLOR PACK

1. Pour 1-2 quarts of water into a clean 5-gallon bucket and add half (10 lbs) of the first bag of MICRO-TEK material into the mixture.
2. Mix with a jiffy paddle mixer on an electric drill for about 1 minute, and then add the remaining water (3-4 quarts) and dry material for the first bag, tempering with water until you achieve a lump free, peanut butter consistency.
3. Let set for two minutes, then come back and reagitate with the mixer before applying the material to the wall.
4. Use a standard concrete finishing trowel to apply the material in a thin, consistent coat.
5. Work the material back and forth across the surface and ensure there are no high points or heavy accumulations.
6. Allow to dry.

Proceed to Step 3 on the next page.

STEP 3: FINISH COAT

BAG 2 OF MICRO-TEK MICRO-TOPPING SMOOTH, (20 LB), 4-5 QUARTS WATER, AND OPTIONAL SC COLOR PACK

1. Repeat the sub-steps in STEP 2 using the second bag of 20 lb Micro-Tek and if you are adding color to your project, the remainder of the SC Color Pack.
2. As you apply Micro-Tek to the wall in this step, we suggest wetting the area of application before starting. This extends working time and prevents the Micro-Tek from drying prematurely.

STEP 4: SEAL *OPTIONAL*

SUPERSEAL PLUS (1 GAL)

Sealing is an optional step. The wall surface is durable and will not require any ongoing maintenance, much like a painted wall. However, if you are concerned about any potential marring, or exposure that could cause hard to clean stains, an optional coat of SuperSeal Plus can be used to provide a protective barrier.

1. Ensure that your wall has had at least 24 hours to dry before applying sealer.
2. Pour material into a clean roller pan.
3. Use a traditional 9” roller to apply material uniformly over the the surface. Ensure there are no missed spots, or areas of heavy accumulation or puddles.
4. Allow to dry.

STEP 5: STENCIL *OPTIONAL*

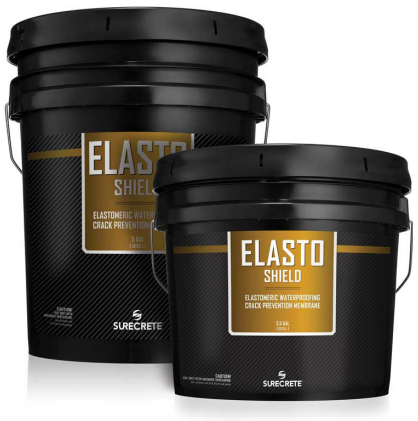
VINYL STENCILS

1. Tape stencil to the wall and apply a thin coat of MICRO-TEK.
2. Be careful not to tear or damage the stencil while applying the material.
3. Allow to dry before removing stencil and moving on to any subsequent stencils or coats. A heat gun can be utilized to speed up drying.

NEED MORE HELP?

Review the step-by-step instructional video anytime at: https://diyconcrete.com/collections/turn-my-drywall-into-concrete

SURECRETE®



ELASTO SHEILD

ELASTOMERIC WATERPROOFING CRACK PREVENTION MEMBRANE

DESCRIPTION

ElastoShield™ is a ready-to-use waterproofing and crack suppression elastomeric liquid membrane that provides water-proofing for all SureCrete overlay systems, both horizontal and vertical. This water borne system has no solvents and requires no catalyst, which eliminates pot-life problems. No special safety equipment or respirators are required (unless sprayed). The single component formulation may be applied by brush, roller, or airless sprayer to many construction substrates, including (but not limited to):

- Concrete & Concrete Block
- Polystyrene (including ICF)
- Plywood, OSB
- Cement Backer Boards

Although specifically created for SureCrete overlays, ElastoShield™ is also ideally suited for use with:

- Ceramic Tile
- Stone
- EFIS & Foam Applications

It provides superlative flexibility and elongation with water-proof properties that allow the span of cracks and voids in the substrate. ElastoShield™ reduces crack transmission in floors and walls and forms a continuous water-proofing barrier with outstanding adhesion. Quick dry times between coats reduce job time. Upon cure the membrane will not soften with high temperatures or become brittle with lower temperatures.

SURFACE PREP

Elasto-Shield™ is not a shortcut for poor surface preparation. The principles for surface preparation for Elasto-Shield™ are addressed with the required surface preparation for the overlay being installed.

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 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 upon a substrate that is flaking, spalling, or has hibernating spalling.

TEMPERATURE / CURE

Apply when surface and ambient temperatures range between 50°F (10°C) and 90°F (32°C) and will remain that way for 72 hours. Elasto-Shield™ may receive an overlay when it will not emulsify when wetted. No standing water or wet conditions can be tolerated during application or curing of membrane.

APPLICATION

Planning Completed projects must slope to proper drain or drain completely to grade. No standing water can be tolerated. Cracks or voids in excess of 1/8" must be treated independently prior to application of membrane. Refer to SCT-22 Crack and Spall Treatment and SCT-EP Epoxy Crack Treatment TDS. Construction joints should never be bridged.

Joints, Splices, Penetrations
Sheet or panel products (e.g. plywood, OSB, polystyrene panels) require coating at all joints and splices including floor to wall junction prior to coating the "field" of the sheet or panel. Concrete floors and walls likewise require coating at their junctions prior to coating the "field". Additionally, any penetrations in the "field" likewise require prior attention.

Joints and Splices
- Utilize a ¾" (19 mm) nap roller and apply an even liberal coat of Elasto-Shield a minimum of 3" (7.6 cm) either side of the splice. A chip brush may be more effective at a wall to floor splice.
- Before membrane dries lay minimum 6" (15 cm) width polyester stitch bond material into wet membrane and smooth out, leaving no wrinkles.
- Allow product to dry completely to the touch, no longer tacky, changing from pink to red in color (approximately 1 to 2 hours.)
- Apply 2nd coat over dried membrane to create a "sandwich" of fabric.

Penetrations
- All penetrations should be flashed per industry accepted standards.
- Those portions of flashing that are to be covered by an overlay must be addressed similar to above.
- Brush Elasto-Shield onto the flashing material and extend into field.
- Overlapping strokes will provide an even film.
- Before membrane dries lay polyester stitch bond material into wet membrane and smooth out, leaving no wrinkles.
- Allow product to dry completely to the touch, no longer tacky, changing from pink to red in color (approximately 1 to 2 hours.)
- Apply 2nd coat over dried membrane to create a "sandwich" of fabric.

Main Field
After all joints, splices, and penetrations have dried completely to the touch no longer tacky (approximately 1 to 2 hours.) The field may receive its 1st coat

QUICK FACTS

PRODUCT NAME Elasto-Shield™

PACKAGING
3.5-gallon pail (13.25 L)
5-gallon pail (18.9 L)

COVERAGE
Varies upon substrate porosity, texture, and application method: 150 ft^2 per gal (14 m^2 per 3.8 L)

SHELF LIFE
Under normal conditions Elasto-Shield™: when kept dry and moisture free, out of direct sunlight, the shelf life of an unopened container is 1 year from the date of purchase. Storage must be under roof, off the floor, and protected from freezing. Rotate inventory to maintain product that is within limits.

First Coat

- Commonly applied by ¾" (19 mm) nap roller, creating an even coat.
- Alternatively may be applied by airless sprayer
- Equipment must be able to produce 1900—2300 psi (13,100 – 15,900 kPa) and provide an orifice size 0.025"—0.029" (.635 mm - .735 mm)
- Provide a NIOSH approved respirator to prevent inhalation of atomized particulate.
- Allow product to dry completely to the touch, no longer tacky, changing from pink to red in color (approximately 1 to 2 hours.)
- Carefully inspect membrane for any bare spots or holes.
- Fill and cover any voids or pinholes with additional material.

Second Coat

- Applies identical to first coat.
- Elasto-Shield™ may receive an overlay once it is fully cured and will not emulsify when wetted.

CLEAN-UP

ElastoShield™ can be cleaned up with soap and water before product cures.

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.
- Do not use as a wear surface.
- Do not use below grade.
- ElastoShield™ is NOT allowed to freeze.
- Do not apply over wet surfaces or surfaces subject to hydrostatic pressure.
- Concrete slabs must range <75% RH.
- Never use to bridge construction joints.

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufactures/seller's option. SureCrete Design Products shall not be liable for cost of labor or direct and/or incidental consequential damages. consequential damages.

WARNING

KEEP OUT OF REACH OF CHILDREN. 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.

TEST DATA

ELONGATION ASTM D-638
7—day dry 580% 7—day dry / 21 day wet 657%

PERMEABILITY ASTM E-96:
0.013

TENSILE ASTM E-96:
7—day dry 335 psi (2310 kPa)
7—day dry / 21 day wet 562 psi (3875 kPa)

PROPERTIES

Appearance	Pink
Storage Stability	1 year
Odor	Faint Ammonia
Application Temperature	40°F – 85°F (4°C - 29°C)

SAFETY DATA SHEETS (SDS)

The following are links to all available safety data sheets related to this product:
SDS ElastoShield.pdf

MANUFACTURER PART

3.5-gallon pail (13.25 L)	SKU # 15102010
5-gallon pail (18.9 L)	SKU # 15102009

Micro-Tek™ SG

Technical Information Sheet

Decorative Composition Cementitious Floor Traffic Coating System

DESCRIPTION

Micro-Tek™ Micro-Topping is a single-component polymerized thin-section decorative cementitious coating system available in white and gray. Micro-Tek™ Micro-Topping can give the appearance of smooth concrete while being flexible, resilient and paper thin. Tight, flat surfaces are easily produced in a fraction of the time it may take with standard grouts.

Due to their unique consistency, these surfaces are easy to clean and maintain. They produce an extremely durable, low-cost, yet attractive appearance. Micro-Tek™ Micro-Toppings will accept a limited amount of deflection in the substrate, compensating for concrete movement without sacrificing durability.

Important characteristics of Micro-Tek™ Micro-Toppings are their extraordinary adhesion, coupled with their ability to withstand prolonged pedestrian and vehicular traffic when properly sealed. In these respects the material is far superior to conventional cementitious coatings used to resurface old or worn concrete.

Each application of a Micro-Tek™ Micro-Topping is a unique expression of the installation contracting artist and is not a manufactured look, but rather a compilation of materials, color, skills and experience that combine to tailor an attractive architectural design accent to compliment any surrounding environment.

USES

Ideal for use in restoring damaged concrete for application of VIVID™ Acid Stains, QuickDye™ or GraniteLook™. Can also be integrally colored with C-Series™ Liquid Colorants for a clean look.

ADVANTAGES

- Unlimited colors, design and texture
- Variegated hues, concrete-like look
- Excellent adhesion and weathering resistance
- Long wearing under traffic
- Conventional floor cleaning methods at a lower life cycle cost
- Topping can be buff shined
- Retards water and waterborne salt penetration
- Resists ultra-violet degradation from long-term exposure to sunlight
- Skid resistant underfoot
- Single Component
- Unique designs

Typical Data for Micro-Tek™ SG Micro-Topping

(Material and Curing Conditions at 73°F unless noted, 50% R.H.)

Set Time Initial ASTM C-266	3 hours
Set Time Final ASTM C-266	6 hours
Compressive ASTM C-579(28 Day)	4097 psi
Tensile Strength ASTM C-307(28 Day)	443 psi
Tensile Modulus ASTM C-307(28 Day)	21,154 psi
Flexural Strength ASTM C-580(28 Day)	645 psi
Flexural Modulus ASTM C-580(28 Day)	572 psi
Modulus ASTM C-580(7 Day)	897 kpsi
Modulus ASTM C-580(28 Day)	833 kpsi
Flexural Secant Modulus ASTM C-580(28 Day)	932 kpsi
Mod Bond Test ASTM C-932(7 Day) (Unprimed dry mortar substrate no prep)	200 psi
Shrinkage ASTM C-531(28 Day) (Curing Conditions 72F, 85% R.H.)	0.19%
Shelf Life	6 months (dry)
Packaging	40 lb (22.68 kg) bags 60 bags per Pallet
Colors	Gray, White

LIMITATIONS

The average typical thickness is approximately 3/32 inch (2.4 mm) and is light in weight at approximately 1.2 lbs per ft². Since most applications accomplish a smooth texture, and must be sealed in order to be integral, they can become slippery. Care should be taken to be aware of this, or an aggregate should be incorporated onto the seal coat to prevent slipping in areas where water is common, or safety is a concern.

SURFACE PREPARATION

Surface must be clean and reasonably dry. All crack repair etc, should have taken place prior to pressure washing, scarifying, grinding or shot blasting. Cut new control joints as required to prevent cracks transferring through the overlay. Pressure-wash all dust and latents from the surface to ensure a clean surface. If high temperatures are imminent, the substrate may be misted with water immediately before the installation to cool the concrete.

MIXING

Each bag of Micro-Tek™ Micro-Topping powder requires 8-10 quarts of water. **Do not add additional polymers!** Pour ¾ of the 8-10 quarts of water into an empty 5-gallon bucket. Add the entire contents of the powder and blend briefly with a drill-powered mixer to wet out the material. Wait 5-10 minutes, and then add the remaining water and mix at medium speed until the material is homogenous and free of all lumps. A mix similar to the consistency of buttermilk is ideal. If desired, any **Concrete Coatings Inc C-Series Colorants** may be added at this time at a rate of ¾-1 cup per batch. Mix until color is uniform.

APPLICATION

Micro-Tek™ SG **MUST** be applied over Micro-Tek™ RG or G-100 Pro Series Grout™. Refer to appropriate TDS for installation instructions for these products. Pour ¼ to 1/3 of the mix onto the surface. At this point, the material may be applied to large areas using a squeegee to spread the material and finished by hand or "funny trowel", or simply spread and troweled by hand. In either case, a thin coating is recommended. Material builds over 1/8" are discouraged. If more build is required, contact Concrete Coatings, Inc. technical support. Let Micro-Tek™ Micro-Topping dry completely and sand the surface between layers, if desired. Remove all dust and debris. For a smooth, power-troweled look, trowel the material near to final thickness and then flat trowel again after a few minutes much like you would regular concrete. Sweat and broom finishes can be accomplished in much the same manner.

Concrete Coatings, Inc. Micro-Tek™ SG Micro-Topping should be applied prior to staining, sealing and waxing.

STAINING

All Concrete Coatings, Inc. Micro-Tek™ Micro-Toppings are compatible with all Concrete Coatings, Inc. VIVID™ Acid Stains and QuickDye™ products. If the surface is to be acid stained, surface MUST be sanded, and applying a light mist of water is recommended immediately before stain application using a plastic pump sprayer. **The absolute maximum allowable burn time for VIVID™ Acid Stains applied to Micro-Tek™ Micro-Toppings is 4 hours.**

SEALING

Although Micro-Tek™ Micro-Toppings are very durable, they must be sealed to maintain their integrity. Allow the overlay to cure for a minimum of 24 hours and protect the surface with SuperSeal™ 2000, GemKote™ 400, GemKote™ 350, GemKote™ 100, UV Shield™, Shield 50™, SuperSeal™ 20WB, SuperGlaze™ 3600 or SuperGlaze WBU. Please consult Concrete Coatings, Inc Technical Support at 800-443-2871 for best sealer options. Apply DuraWax™ to sealed surface for better wear resistance.

MAINTENANCE

The sealed surface should be inspected periodically for areas of thin or traffic-worn sealer. Worn areas may be resealed as needed. A thorough cleaning is recommended prior to resealing to ensure debris or contaminants are not embedded in the subsequent sealer coat(s). Concrete Coatings, Inc. DuraWax™ is suggested as a sacrificial coat on a sealed surface. DuraWax™ may be re applied as needed.

COVERAGES

One bag of Concrete Coatings, Inc. Micro-Tek™ Micro-Topping (SG) will cover approximately 150-400 ft² depending on actual application.

Micro-Tek™ Micro-Topping
MATERIAL SAFETY DATA SHEET

Effective: April 2011

SECTION 1 - PRODUCT IDENTIFICATION

Common Name: **Micro-Tek™ Micro-topping**
(As appears on label)
Chemical Family:
Manufacturer/Supplier: Concrete Coatings, Inc
PO Box 150071
Ogden, UT 84415
1-800-443-2871

Emergency: **Chemtrec** 1-800-424-9300

Hazard Rating		Scale
Toxicity Flammability Reactivity PPE	1 0 0 E	4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant

SECTION 2 – HAZARDOUS INGREDIENTS

Hazardous Components Chemical & Common Names	CAS No.	Percent By Weight*	OSHA PEL	ACGIH TLV
Portland Cement	65897-15-1	<35	15mg/m³	10mg/m³
Crystalline Silica	14808-80-7	<65	1mg/m³	1mg/m³

SECTION 3 – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A
Melting Point: N/A
Specific Gravity (Water = 1): 3 - 3.2
Vapor Pressure (mm Hg): N/A
Vapor Density (Air = 1): N/A
Solubility in Water: Insoluble
Evaporation Rate (Butyl Acetate=1) N/A
Appearance & Odor White, gray, or colored sanded powder; no odor.

SECTION 4 – FIRE AND EXPLOSION DATA

Flash Point: Non-Flammable
Flammable Limits: **Lower Explosive Limit**: N/A
Upper Explosive Limit: N/A
Extinguishing Media: N/A
Unusual Fire/Explosion Hazards: Excessive dust clouds can present deflagration (rapid burn) hazard
Special Fire Fighting Procedures: Water causes product to set hard

SECTION 5 – REACTIVITY DATA

Stability:	Stable
Conditions to avoid:	Excessive dusting
Incompatible with:	Strong acids may cause violent exothermic reaction.
Hazardous decomposition products:	N/A
Hazardous polymerization:	Will not occur.

SECTION 6 HEALTH HAZARD DATA

Carcinogenicity:	NO
IARC:	NO
OSHA Regulated?:	NO
Threshold Limit Value (TLV):	Respirable dust – TLV 10 mg/m^3
Effects of Overexposure:	Excessive exposure by inhalation over an extended period of time may result in the development of pulmonary diseases such as silicosis and pneumoconiosis. Can cause dermatitis and alkali burns. Abrasive.

Emergency and First Aid Procedures

Eyes:	Flush eyes with water. Consult physician if irritation persists.
Skin:	Wash with mild soap and water. If rash develops, call physician.
Inhalation:	Move victim to fresh air. Provide fresh air to work area. If irritation continues, contact physician
Ingestion:	No known hazards. Contact physician if reactions develop

SECTION 7 – SPILL OR LEAK PROCEDURES

If Material Spills or Leaks:	Use personal protective equipment to prevent dust exposures and prevent alkali burns or irritation
Waste Disposal:	Dispose of in accordance with local, state and federal regulations.

SECTION 8 – SAFE HANDLING AND STORAGE INFORMATION

Respiratory Protection	NIOSH/MSHA approved for silica and nuisance dusts.
Ventilation:	When local exhaust ventilation is inadequate, mechanical ventilation may need to be provided to maintain levels below TLV/PEL
Protective Equipment:	Rubber or latex gloves; safety glasses with side shields or goggles
Other Equipment and Practices:	Clean clothing. Rubber boots, arm sleeves and aprons when necessary to prevent skin contact. Wash hands before eating or smoking.
Storage:	Store in a cool dry place away from water sources and possible contact with strong

acids. Keep from freezing to preserve product potential.

Other Precautions: Take necessary steps to avoid nuisance dusts

SECTION 9 – SHIPPING INFORMATION

DOT Shipping Name: Bagged Portland cement
DOT Hazard Class: N/A
DOT Reportable Quantity: N/A

USERS RESPONSIBILITY & DISCLAIMER OF LIABILITY: A bulletin such as this cannot be expected to cover all possible situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where precautions – in addition to those described herein are required. Although the information contained herein is based on data considered to be accurate, all materials present unknown health hazards, and should be used with caution and by properly trained personnel. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Any health hazard and safety information should be passed onto your customers or employees, as the case may be. Final suitability of the chemical for each circumstance is the sole responsibility of the end user. No representation or warranties either expressed or implied, of merchantability, fitness for a particular purpose, or any other nature are made hereunder with respect to the information contained herein, or the chemical to which the information refers. It is the sole responsibility of the end user to comply with all applicable federal, state and local laws and regulations. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed.

Concrete Coatings Incorporated warrants its products to be of good quality and will replace any product proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Exact color cannot nor will not be guaranteed due to multiple factors including application methods, concrete content, weather, etc. Therefore, except for such replacement, CONCRETE COATINGS INCORPORATED MAKES NO WARRANTY OR GUARANTEE EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, AND CONCRETE COATINGS INCORPORATED SHALL HAVE NO OTHER LIABILITY WITH RESPECT THERETO, INCLUDING WITHOUT LIMITATION, LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. USER ASSUMES ALL RISK AND LIABILITY REGARDING USE AND/OR STORAGE OF THIS PRODUCT. Any claim regarding product defect must be received in writing within ninety (90) days from the date of shipment. No claim will be considered without such written notice or after the specified time interval. The user shall determine the suitability of the products for the intended use and assumes all risk and liability in connection therewith.

SAFETY DATA SHEET

Date Revised: 12/13/18 **Date Printed:** 7/18/23

========== SECTION 1 - IDENTIFICATION ==========

PRODUCT NAME: ELASTO-SHIELD
PRODUCT CODE: SC-15102010
RECOMMENDED USE: PAINT OR PAINT RELATED MATERIAL

MANUFACTURER: SURECRETE DESIGN PRODUCTS
ADDRESS : 15486 US HWY 301
DADE CITY, FL 33523 USA
TELEPHONE: 352-567-7973 E-mail: safety@fenixspc.com
24 HOUR EMERGENCY PHONE: CHEMTREC 1-800-424-9300

========== SECTION 2 - HAZARDS IDENTIFICATION ==========

HAZARD RISK CLASSIFICATION
SIGNAL WORD: WARNING
PICTOGRAM:
GHS07 - EXCLAMATION MARK GHS08 - HEALTH HAZARD

HAZARD CLASS	HAZARD CATEGORY
ACUTE TOXICITY	CATEGORY 4 ORAL
TOXIC TO REPRODUCTION	CATEGORY 2
TOXIC TO SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	CATEGORY 2

HAZARD STATEMENTS:

H302	Harmful if swallowed
H316	Causes mild skin irrritation
H318	Causes serious eye damage
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS:
PREVENTION:

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breath dusts/fume/gas/mist/vapors or spray.
P264	Wash hands and any exposed area thoroughly after handling.
P270	Do not eat, drink or smoke while using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P281	Use appropriate personal protective impervious gloves/protective clothing/ OSHA approved eye protection/ face protection.

RESPONSE:

P301+P312	If swallowed: Call a Poison Center / doctor if you feel unwell.
P302+P352	If on skin: Wash with plenty of water.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	If exposed or concerned: Get medical advice / attention.
P310	Immediately call a POISON CENTER/doctor/ emergency responder.

P330 Rinse mouth.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

STORAGE:
P405 Store locked up.
DISPOSAL:
P501 Store separately. Dispose of contents/ container in accordance with local/ regional/national /international regulations.

OTHER HAZARDS: NONE KNOWN

HMIS RATING:

H	F	R	PPE
1	0	0	B

========== SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS ==========

COMPONENT	CAS NUMBER	WEIGHT PERCENT	EXPOSURE LIMITS OSHA PEL	ACGIH TLV	OTHER
Calcium Carbonate	1317-65-3	25-35			
			15 MG/M3	10 MG/M3	NUISANCE DUST
Ethylene Glycol	107-21-1				
			50 PPM	39.4 PPM (AEROSOL)	

* Chemical(s) that are chronic health hazards. Refer to section 3 for further information.
+ Toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.
^ Hazardous Air Pollutant established by the EPA as directed by the Clean Air Act of 1990.

========== SECTION 4 - FIRST AID MEASURES ==========

PRIMARY ROUTES OF EXPOSURE:
Skin contact.

DESCRIPTION OF FIRST AID MEASURES:
EYES: Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.
SKIN CONTACT: Wash contaminated area with soap and water. Remove and launder contaminated clothing.
INGESTION: If a large amount is ingested, give water or milk and induce vomitting. Seek medical attention.
INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has stopped administer artificial respiration. Seek medical attention if condition persists.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:
EYES: Direct contact with eyes may cause irritation.
SKIN: Prolonged or repeated contact may cause irritation.
INHALATION: Inhalation of vapor or mist can cause irritation of nose, throat and lungs and lead to headaches and nausea.

INGESTION: Not an anticipated route of exposure. Small amounts are not expected to be harmful.
CHRONIC HEALTH EFFECTS:
Although some components may indicate chronic exposure effects, no effects are anticipated under normal use conditions due to the relatively low proportion in the total mixture.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
No known effects on other illnesses.
INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:
Treat symptomatically.

========== SECTION 5 - FIRE AND EXPLOSION HAZARD DATA ==========

SUITABLE EXTINGUISHING MEDIA:
This material will not burn in its liquid state unless heated above its flash point. Dried films may burn and can be extinguished by water spray, foam, dry chemical or carbon dioxide.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:
In the event of fire, harmful vapors including carbone monoxide, carbond dioxide, and others may be released. There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool these containers.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:
Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Isolate danger area, keep unauthorized personnel out.

========== SECTION 6 - ACCIDENTAL RELEASE MEASURES ==========

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Evacuate area and keep unnecessary and unprotected personnell from entering the spill area. Use proper personal protective equipment listed in section 8.

ENVIRONMENTAL PRECAUTIONS: Keep runoff from storm sewars, ditches, streams, lakes and other ground waters and waterways.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:
Contain all spills. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Collect into suitable contaners and dispose of properly in accordance with all applicable regulations. (See Section 13) Rinse affected area thoroughly with water.

========== SECTION 7 - HANDLING AND STORAGE ==========

PRECAUTIONS FOR SAFE HANDLING:
Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communicatin Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust overspray.

PRECAUTIONS FOR SAFE STORAGE:
Keep from freezing; material may coagulate. The minimum recommended storage temperature is 34F/1C, the maximum recommended storage temperature is 120F/49C. Keep away from incompatable materials (see section 10). Keep containers tightly closed. It is advised that material be used within 1 year of manufacture, rotate stock.

OTHER PRECAUTIONS:
All empty containers should be disposed of in an environmentally safe manner in accordance with all governmental regulations.

========== SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION ==========

CONTROL PARAMETERS: SEE SECTION 3 FOR OCCUPATIONAL EXPOSURE LIMIT VALUES

ENGINEERING CONTROLS: General room ventilation is adequate.

PERSONAL PROTECIVE EQUIPMENT:

RESPIRATORY PROTECTION:
No special requirements under normal use conditions. In confined areas, or areas with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

PROTECTIVE GLOVES:
Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing. Launder contaminated clothing before reuse.

EYE PROTECTION:
Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

WORK/HYGIENIC PRACTICES:
Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA and company guidelines.

========== SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ==========

APPEARANCE/PHYSICAL STATE: Liquid
COLOR: Various colors
ODOR: Amine or ammonia odor
pH: Not Determined
ODOR THRESHOLD: Not measured
SOLUBILITY IN WATER: Dilutable
MELTING/FREEZING POINT: Not Determined
BOILING POINT/RANGE: 379 F
SPECIFIC GRAVITY (H2O=1): 1.22
VAPOR DENSITY: Greater Than Air
EVAPORATION RATE: Not Determined
FLAMMABILITY: Not determined
FLASH POINT: No flashTCC
VAPOR PRESSURE: Not Determined
UPPER EXPLOSION LIMIT: n/a
AUTO-IGNITION TEMPERATURE: Not Determined
LOWER EXPLOSION LIMIT: n/a
PARTITION COEFFICIENT: Not Available
DECOPMPOSITION TEMPERATURE: Not Available
VISCOSITY: Not Determined
COATING V.O.C.: 2 g/l (0.02 lb/gl)

========== SECTION 10 - STABILITY AND REACTIVITY DATA ==========

REACTIVITY: Will not occur.
CHEMICAL STABILITY:
Stable under normal conditions and handling.
POSSIBILITY OF HAZARDOUS REACTIONS:
No hazardous reactions if stored and handled as prescribed/indicated.
CONDITIONS TO AVOID:
None known
INCOMPATIBLE MATERIALS:
None known. Materials which are not compatible with water or ordinary organics will not be compatible with this material.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide, various oxides of carbon and nitrogen. Thermal decomposition may liberate acrylic monomers and ammonia.

========== SECTION 11 - TOXICOLOGICAL INFORMATION ==========

SENSITIZATION:
None known.
CARCINOGENICITY:
There is no data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
REPRODUCTIVE TOXICITY:
There is no data available to indicate any components present at greater than 0.1% may present reproductive toxicity.
TERATOGENICITY (BIRTH DEFECTS):
There is no data available to indicate any components present at greater than 0.1% may cause birth defects.
MUTAGENICITY:
There is no data to indicate that any component present at greater than 0.1% will alter DNA.

========== SECTION 12 - ECOLOGICAL INFORMATION ==========

ECOTOXICITY:
No data available.
PERSISTENCE AND DEGRADABILITY:
Not readily degradable.
BIOACCUMULATIVE POTENTIAL:
No data available.
MOBILITY IN SOIL:
No data available.
OTHER ADVERSE EFFECTS: No known effects or critical hazards. No data available.

Date Revised: 12/13/18 Date Printed: 7/18/23

========== SECTION 13 - DISPOSAL CONSIDERATIONS ==========

This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261, however, state and local regulations may be more restrictive. Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

========== SECTION 14 - TRANSPORT INFORMATION ==========

PROPER SHIPPING NAME: (UN #, SHIPPING NAME, HAZARD CLASS, PACKING GROUP)

Not regulated.

==========SECTION 15 - REGULATORY INFORMATION ==========

US TOXIC SUBSTANCE CONTROL ACT (TSCA):

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances Control Act (TSCA) chemical substance inventory.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE: None

SARA 311/312 HAZARDOUS CHEMICAL: See Section 3

SARA 313 (TRI REPORTING):

This product does contain a chemical(s) subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372). See section 3.

STATE LISTED COMPONENTS	CAS NUMBER	STATE CODE

CALIFORNIA PROPOSITION 65

This product contains a chemical(s) known to the state of California to cause cancer, birth defects or reproductive harm, which are subject to the requirements of California Proposition 65.

Ethylene Glycol CAS #107-21-1 Developmental

==========SECTION 16 - OTHER INFORMATION ==========

REVISION DATE: 12/13/18

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