DAICH COATINGS

CONCRETE PREPARATION CHECKLIST

For Excellent Performance, Your Concrete Must Be:

SOUND ✔	POROUS ✔	CLEAN ✔
Concrete must be at least 30 days old and free of large holes, extensive pitting, large cracks, flaking.	**The concrete must be etched.** The concrete must not be too smooth and the pores must be open for the coating to penetrate.	The surface must be effectively washed before coating. **Clean the concrete thoroughly for best results!**

What You Will Need:

Concrete repair products and applicable tools (if repairs are required).	• Daich Cleaner/Etcher • or ... Muriatic Acid • Empty Bucket • Safety Wear (if required)	• Pressure Washer • Daich Cleaner/Etcher or TSP • Deck Brush

SURFACE PREPARATION IS 90% OF THE JOB...
Follow these simple steps for a lasting RollerRock® surface finish.

1 Etch (if necessary)

If the concrete is new, very smooth or efflorescent (salts leaching out of the surface), etching will be required to clean out the surface pores and add surface tooth for better grab of the coating.

1) Rinse away any excessive dirt before etching. If indoors, wash the floor with DAICH All-In-One Concrete Cleaner/Etcher or other suitable concrete cleaner (eg. TSP).

2) ETCH... WITH DAICH ALL-IN-ONE CLEANER/ETCHER
(a) Dampen the concrete with a water hose.
(b) Working in sections, pour DAICH Cleaner/Etcher directly onto dampened concrete at full concentration and distribute with a deck brush or broom, scrubbing lightly. (c) Allow it to work on the surface for a few minutes, then rinse thoroughly.
(REPEAT ETCHING IF THE CONCRETE IS A GARAGE FLOOR OR IS VERY SMOOTH OR NEW). The concrete must have a profile similar to 150 grit sandpaper.

3) ALTERNATIVE ETCH WITH MURIATIC ACID (outdoors only)
(a) Mix an etching solution in an empty bucket — two parts water to one part muriatic acid. (POUR ACID INTO WATER). Stir the contents gently. (b) Dampen the concrete with a water hose. (c) Working in sections, pour the etching solution onto the damp concrete and distribute with a stiff broom, scrubbing lightly. Allow solution to work on the surface for a few minutes and gently rinse away. ****Follow acid manufacturer's safety instructions.**** (Repeat etching if the concrete is a garage floor or is very smooth).

2 Wash

Exterior concrete surfaces must be thoroughly clean and dry, free from dirt, dust, paint, glue, mold, mildew, sealers, efflorescence, oil and any contaminants. Two optional methods for cleaning are:

OPTION#1 - PRESSURE WASH: For easiest and most effective cleaning results, use a minimum 1800 psi pressure washer to thoroughly remove embedded dirt and all cleaner and etching residues. Hold the tip 6 inches from the surface and use a **SLOW sweeping motion** across the surface. When pressure washing is complete. Let the surface dry 1-2 hours before application (longer in cool, damp or humid conditions).

OPTION#2 - MANUAL SCRUB: If pressure washing is not an available option, scrub the surface with a stiff broom and a strong solution of DAICH CLEANER/ETCHER (or TSP). Rinse well to remove all cleaning chemicals, and other residues. If drainage is inadequate, use a wet-vac to pull rinse water off the surface.

Interior Concrete: Mop or scrub the surface with a stiff broom and DAICH CLEANER/ETCHER or strong TSP solution. Rinse well or mop with clean water until rinse water is clear. If drainage is not available, lift water away with a wet-vac.

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ADDITIONAL NOTES:
RollerRock is not a repair product. Some surface imperfections may need to be ground away with an angle grinder or a rub brick – or repaired with repair material (per manufacturers instructions) or they may transmit through the final finish.

Broom Finished Concrete - Broom finished concrete can cause adhesion problems for thicker coatings like RollerRock. If the concrete is broom finished with deep grooves, apply a coat of **DAICH ElastoLock® Rubber Membrane** in the same direction of the broom texture to partially fill the texture and encourage optimal adhesion.

Previous Coatings – Apply water to the surface. If water absorbs, the concrete is uncoated. If water beads, a coating is present and must be removed. Use appropriate strippers or mechanical abrasion following manufacturer's instructions and precautions. Follow with etching and pressure washing.

Excessive Moisture – Apply a 16" square piece of plastic to a section of the concrete to be coated. Tape down edges carefully with duct tape. After 24 hours remove tape and look for water droplets on the plastic or wet appearance (darkness) in the concrete. If these signs are present, there is excessive moisture trapped in the concrete and it should not be coated.

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Have additional questions? Visit us online at
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COATING APPLICATION
The following steps must be applied to a dry, clean surface at temperatures between 50° F (10° C) – 85° F (30° C) in dry conditions. Do not attempt in direct, hot sunlight. Morning and late afternoon or shady conditions are best.

3 RollerRock®

RollerRock is applied in one of two finishes:
1) Stone Texture (applied with the "Stone Texture Roller")
2) Tile Texture (applied with the "Tile Texture Roller").

STONE TEXTURE FINISH...
The stone texture finish is most popular with the highest coverage rate at up to **100 sq.ft. per gallon, per coat**. It is used for most exterior surfaces and also for garage floors, where a tough, attractive slip-resistant finish is desired.

Step One: Roll a uniform coat of RollerRock in 4 x 4 ft. sections using the **Stone Texture Roller.** As you go, lightly cross-roll over the wet material a few times to remove any imperfections. Allow it to dry several hours. Test the surface before walking on it.

Step Two: Roll on a second coat using the same method as step one. This will fill imperfections from the first application and make the surface look uniformly solid and stone-like.

TILE TEXTURE FINISH...
The tile texture finish is used mainly for interior floor surfaces, including garage floors and basements, when a slightly less textured, tile-like result is preferred. Tile texture coverage averages **60-70 sq.ft. per gallon, per coat.**

Step One: Roll product uniformly onto the surface with the **Tile Texture Roller**. Press firmly while rolling. Apply in a continuous "V" pattern. As you go, lightly cross-roll over the surface as you progress to feather out imperfections. Allow it to dry several hours. Test the surface before walking on it.

Step Two: Roll on a second coat using the same method. Very minor flaws will usually disappear by themselves as the coating settles out and dries. In warm outdoor conditions allow to cure for 24 hours **(48 hours in cool, damp or humid conditions - and on interior and garage floors).**

4 Sealer

Application of a clear coat/sealer is the final step of the RollerRock coating system. This stage adds a final protective barrier to dirt, water and chemicals. **Choose one of the following for your requirements...**

HI-BUILD ULTRA – SATIN MULTI-PURPOSE
For interior and exterior applications, is an excellent high performance urethane-enhanced sealer for bare concrete and over all Daich decorative stone coatings. **Apply two coats** 12 hours apart for best long-term performance.

DAIHARD GARAGE & DRIVEWAY SEALER
For interior and exterior use. A high performance, hot-tire resistant semi-gloss sealer for use over bare concrete and all Daich decorative stone coatings. **Apply two coats** 12 hours apart for best performance.

DAIHARD EPOXY CLEAR COAT – The choice for heaviest duty performance for **GARAGE, UTILITY AND INTERIOR FLOORS –** Excellent for hot tires, chemicals, foot traffic and interior cleanability. **Interior use only.**

CURE TIMES AND SEALING:
RollerRock must cure 24 hours prior to sealer application. Seal at temperatures between 50°F to 85°F (10°-30°C). Do not apply in direct hot sun.

In cool, damp or humid conditions, curing time must be **doubled to 48 hours.** Curing for 48 hours is also necessary for **Tile Texture finishes**, which apply product more thickly. RollerRock must dry to optimum hardness before sealer is applied. You may walk on your dry finish while it cures – as long as you don't get it dirty prior to sealing.

5 Primer (optional)

RollerRock is self-priming and generally does not require primer for seamless applications. Textured Primer, however, IS USED for projects with a decorative tile or flagstone effect using DAICH stencil tapes. (It can also be used when an additional reinforced stone coating layer is desired for greatest strength in heavier duty or high traffic areas.)

1) DAICH Textured Primer is applied with standard painting methods. Apply primer along edges with a brush and roll onto the remaining area using a 1/2" roller. Apply uniformly without a heavy texture. Primer dries within 1-2 hours (longer in damp or cool weather).

Creating Grout Lines with Textured Primer – You can create the illusion of tile or flagstone in your project by laying down a decorative grout line pattern over a surface **pre-primed with DAICH Textured Primer**. Grout line patterns create a dimensional stone tile or slab effect that looks great on larger surfaces like garage floors, pool decks, etc.

• For floor tile patterns, use 1/4 inch "Grout Line Pattern Tape" for best adhesion and clean results.
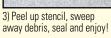
• For natural flagstone effects, use DAICH Flagstone Stencil Tape for a natural looking effect.

**Allow primer to dry fully for several hours or until the following day prior to taping to ensure good adhesion of stencil tape.

** For best results, brush primer in the same color over the grout tape to further lock it down and avoid seepage.

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CREATING GROUT LINES

Ceramic Tile	Flagstone
1) Lay DAICH grout tape onto primed surface in desired pattern.	1) Lay DAICH flagstone tape onto primed surface in desired pattern.

2) Apply RollerRock over the stenciled surface and allow it to cure for 24 hours.

3) Peel up stencil, sweep away debris, seal and enjoy!	3) Peel up stencil, sweep away debris, seal and enjoy!

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