

40SK CONSOLIDATOR & WATER REPELLENT

PREVIOUSLY KNOWN AS DRY-TREAT 40SK™

40SK Consolidator & Water Repellent is an impregnating, invisible and breathable sealer that protects porous tile, natural stone, brick, terracotta, paving and grout from damage caused by water and salts, plus helps to consolidate friable surfaces. 40SK Consolidator & Water Repellent helps reinforce friable stone surfaces by fortifying the internal structure of the substrate.



TYPICAL APPLICATIONS

40SK Consolidator & Water Repellent is suitable for a wide variety of applications, including building facades, floors, walls, swimming pool surrounds, patios, garages, kitchens and public and private entertaining areas.

BENEFITS

- Penetrating, permanent water repellency plus consolidation of softer materials, for premium protection against problems caused by water and water-borne salts including: efflorescence, salt spalling, freeze-thaw spalling and picture framing.
- Popular for sealing sandstone, limestone, travertine, concrete dry-stamped pavers and composite stone pavers around salt water swimming pools.
- Retains natural surface color and finish.
- Keeps surfaces looking new for longer, makes cleaning easier, and dries quickly even after heavy rain.
- Breathable: water vapor escapes freely, avoiding moisture build-up inside the material.
- Designed for indoor and outdoor surfaces.

STORAGE

Store locked up in a well-ventilated place. Keep container tightly closed and cool. Dispose of contents/ container in accordance with local regulations.

PACK SIZE

- 1 Gallon/3.79 L | 123122
- 5 Gallon/18.92 L | 123142

HOW TO USE

1. **ALWAYS TEST PRODUCT ON A SMALL AREA FIRST and allow a 24 hour cure time to determine the ease of application and desired results.**
2. Ensure surfaces to be treated are dry, clean and free of residues.
3. Product is to be applied without thinning.
4. Generously saturate the surface with product, using an acetone approved sprayer such as Chapin model 26127/10027/21127XP Acetone Sprayer, Smith model 190450 Acetone Compression Sprayer or similar. Surface should have a mirror-like “wet” look for 3-5 seconds. Avoid contact with surrounding areas.
5. After 10 minutes, repeat Step 4. Total application rate is approximately one liter per 0.5 - 4 sq. meters (5 to 40 sq. feet per quart) depending on absorption.
6. Allow 10 minutes for product to penetrate surface then polish surface with a clean white dry cloth to remove excess product. Do not allow excess product to dry on the surface.
7. Clean equipment with organic solvent e.g. methylated spirits.
8. Sealer will not prevent surface etching, scuff marks or wear and may lighten or darken some surfaces. It is recommended that for sandstone or limestone in a salt water environment (e.g. a pool coping) the entire coping should be dipped sealed with 40SK Consolidator & Water Repellent and allowed to cure for 14 days before the stone is put into service. Please note that the underside of the treated stone will become repellent and a premium polymer thin set special adhesive such as Davco SE-7 mixed with Davelastic or, Bostik Landscape Adhesive, Ardex 77 or 78 is recommended to fix the stone.

VOC CONTENT

VOC (Calculated): < 120g/L (including exempt solvents)

COUNTRY OF MANUFACTURE

Made in the USA with globally sourced materials.

WARRANTY



*A 15-YEAR PERFORMANCE WARRANTY is offered when product applied by an Accredited Applicator following our written instructions and surface is maintained regularly using our written maintenance system, as outlined in our warranty document. Visit our website at www.stain-proof.com to find your nearest accredited applicator.



FOR MORE INGREDIENT INFORMATION, TECHNICAL DOCS, APPLICATION TIPS & COVERAGE GUIDE, SCAN THIS CODE OR VISIT: STAIN-PROOF.COM

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ADVANCED APPLICATION GUIDELINES

1. TESTING

40SK Consolidator & Water Repellent must be allowed to cure for at least 3 weeks (and ideally 4 weeks) before undertaking water repellency, depth of penetration and strength testing.

Achieving optimum water repellency and consolidation strength

40SK Consolidator & Water Repellent undergoes 2 different types of curing. The specially designed sealing molecules migrate through the pores and find sites to bond by a process of chemical reaction, over 3 to 4 weeks! As more sealing molecules bond inside the pores, the material becomes more water-repellent. At the same time, the consolidating component of 40SK forms a network inside the treated material which helps to consolidate and strengthen it, making it less friable and less prone to spalling. This consolidating network can take up to 4 weeks to fully form.

Achieving maximum depth of penetration.

The modified silane molecules in 40SK Consolidator & Water Repellent are hundreds of times smaller than the best modern competitor (fluoropolymer /siloxane) sealers, which cannot penetrate into the pore structure of most materials. It is important to apply the second coat of 40SK while the first coat is still wet to aid penetration. Once applied, the sealing molecules will continue to migrate deeper into the material and bond inside the pores, reaching optimum penetration in approximately 4 weeks.

2. CAUTION

40SK Consolidator & Water Repellent is designed for use on very porous new surfaces in salt water environments, but can be used on more dense surfaces as a long lasting super penetrating water repellent. When using 40SK Consolidator & Water Repellent on denser surface, extra care must be taken to remove all excess product from the surface after application. Excess 40SK Consolidator & Water Repellent on the surface will react over a few days / weeks and become a white glass which is impossible to remove chemically, and has to be ground away. Also, exercise extreme caution when using the product on old surfaces already saturated with salts as the salts may build up below the treatment and spall the surface. This situation can be avoided if the treatment goes well below 15 mm from the surface where the tensile strength of most common stone will be greater than that caused by the salt crystals.

3. Requirements of the 40SK Consolidator & Water Repellent 15 year performance warranty

Only Accredited Applicators with a class 3 license, which have been specifically trained to use 40SK Consolidator & Water Repellent are able to offer the 15 year performance warranty to their clients. Also, the warranty for 40SK Consolidator & Water Repellent only applies in salt water environments (such as around a salt water swimming pool), when the material is dip sealed with 40SK Consolidator & Water Repellent prior to being laid.

4. Using a suitable adhesive

When a tile is dip sealed prior to being installed, it will become highly water repellent. This means that a standard water based adhesive may not adhere to the surface. A suitable premium polymer modified grout should be used, which is designed to overcome the repellency of a penetrating sealer.

5. Applying Premium Impregnating Sealer over 40SK Consolidator & Water Repellent for adding oil repellancy

It is only necessary to use 40SK Consolidator & Water Repellent on surfaces which are regularly in contact with salt spray or salt water. If the client also wants these areas to be protected against oil based stains, it will be necessary to also apply Premium Impregnating Sealer, but only after the 40SK Consolidator & Water Repellent has had cured for at least 2 weeks, or the consolidating structure of the 40SK Consolidator & Water Repellent may be dissolved.

6. 40SK Consolidator & Water Repellent should NOT be applied over a previously sealed surface

Although 40SK Consolidator & Water Repellent can penetrate through other penetrating / impregnating sealers to some extent, it will not penetrate as much as it does on an unsealed surface, and will not be effective. The consolidator component especially will not penetrate enough. With 40SK Consolidator & Water Repellent, achieving maximum penetration is crucial for protection, so it is necessary to grind previously sealed surfaces before applying 40SK Consolidator & Water Repellent.

Note: penetrating / impregnating sealers should never be applied over a topical (coating) sealer.

7. Applying 40SK Consolidator & Water Repellent on vertical surfaces

On vertical surfaces you have much less dwell time than on horizontal surfaces as a liquid sealer will run down the wall if a substantial amount is applied. Dwell time is especially important for 40SK Consolidator & Water Repellent as an excellent depth of penetration is required to protect against salt spalling and freeze-thaw spalling. The way to do this is to apply 4 light coats of 40SK Consolidator & Water Repellent instead of 2 generous coats. Apply each successive coat before the previous one dries (wet-on-wet, approximately 10 minutes between coats). Place tarp or plastic sheets below to catch the excess drips.

CAUTIONS

DANGER: Highly flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness. May damage fertility or unborn child. Harmful to aquatic life with long lasting effects. **PRECAUTIONS:** Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Do not handle until all safety precautions have been read and understood. Do not breathe mist, vapors, spray. Use only outdoors or in a well-ventilated area. Use a positive respirator if ventilation is inadequate. Ground container and receiving equipment. Use explosion-proof electrical safe equipment. Avoid release into the environment. **KEEP OUT OF REACH OF CHILDREN.**

FIRST AID

If exposed or concerned get medical advice. **IF ON SKIN:** Wash with plenty of soap and water. **IF INHALED:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing has stopped give artificial respiration. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **IN CASE OF FIRE:** Use alcohol resistant foam or normal protein foam for extinction. Call a POISON CENTER or doctor if you feel unwell.

TRANSPORT

Shipping name: UN1993, Flammable liquid, n.o.s., (contains acetone), 3, PGII.

CONTENTS

Acetone, organic silicate, silanes, dibutyltin dilaurate.

COVERAGE GUIDE

Surface Type	sq ft/qt**	m ² /L**
Brick	50	5
Poured Concrete - Smooth	60	6
Concrete Paver (dry pressed)	40	4
Concrete Paver (wet cast)	60	6
Coral Stone	50	5
Granite Flamed	50	5
Limestone Honed - Dense	60	6
Limestone Honed - Porous	60	6
Mable Honed	*	*
Sandstone (Indian, hard)	50	5
Sandstone (soft)	40	4
Sandstone around salt water pool	40	4
Slate - Dense Black	*	*
Terracotta porous	50	5
Travertine honed	60	6
Travertine around salt water pool	*	*

*Check with Stain-Proof representative for preferred solution

** Minimum Coverage rates as each surface has different absorption rates.
Check with your supplier

