

1. Product:

REPELLER, formerly known as PROTECRETE-SRT Surface Repellent Treatment.

2. Manufacturer:

Applied Concrete Technology, Inc.
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3. Description/Basic Use:

Description: REPELLER is a colorless liquid designed to impart water repellence to a wide variety of surfaces. REPELLER reacts by forming an insoluble filmless water-resistant treatment within 24 hours after application.

Basic Use: REPELLER is primarily used as a surface treatment in applications that utilize its ability to impart a water repellent surface and reduce water absorption. REPELLER is an aqueous penetrating treatment which provides a tough breathable filmless barrier beneath and on the surface of the treated material. REPELLER helps to maintain and preserve the original clean look of the surface by preventing liquid/contaminant penetration. It improves bonding ability for subsequent treatments of paint, adhesive, aesthetic topping or other coatings. REPELLER eliminates or greatly retards efflorescence, while imparting additional resistance against cracking and spalling. REPELLER enhances surface traction quality. REPELLER is odorless, non-toxic, nonflammable and VOC/VOS free.

Limitations: Spills or spray droplets in contact with any surface, other than the one being treated, should be removed using water and a cloth or brush, not be allowed to air dry. Dried product is very difficult to remove.

3. Technical Data:

Physical: Liquid
Color: Clear
Odor: None
Specific Gravity: 1.02
Weight Per Gallon: 8.46

Boiling Point: 230°F

pH: ±11

Solvent: Water

Shelf Life: One year

Flash Point: None

Flammability: None

Environmentally: Safe

User: Friendly

Hazardous Vapors: None

Disposal: Non-Hazardous Material

Toxicity: None

Freeze Harm: Possible

Freeze Temperature: 32°F

Clean Equipment: Soap and Water

U.V. Resistance: Excellent

Paintability: Excellent

VOC/VOS Compliant: Yes

Composition: Aqueous Silicate

4. Installation Directions:

DO NOT ATOMIZE! Always spot test prior to use to determine suitability.

- a. Remove coatings or buildups of any kind present on surface or else Repeller cannot penetrate properly.
- b. Slightly dampen, removing any excess water.
- c. Use a non-atomizing spray apparatus, such as a pump-tank sprayer or tree sprayer with a fan spray tip size between .026 and .072.
- d. Hold spray tip 6 inches from surface.
- e. Apply at the rate shown on chart at right with an overlapping spray pattern and a fanning motion at end of pass.
- f. Begin applying at the lowest level elevation. For example, walls and slopes should be applied side to side, from the bottom up.
- g. Surface must be wet, but do not apply so much product that it puddles.
- h. Drying time varies with temperature and environment. In good conditions at 70°F, this would take 24 hours or less.

5. Application Precautions:

- a. Protect areas not intended for coverage as product is very difficult to remove later. PROTECRETE Repeller will damage or kill vegetation and will stain or etch glass, plastic and aluminum. If contact should occur, wash immediately with water.

- b. White precipitate may form if PROTECRETE Repeller is overapplied. Surface should be washed and may need scrubbing if this occurs.
- c. Do not apply when ambient temperature drops below 50°F.
- d. Do not apply when rain is expected during next 24 hours.
- e. Do not apply on extremely hot surfaces. On very hot days, apply in early a.m. or at night.
- f. Avoid contact with eyes and skin. Small amounts transferred to mount by fingers should not cause injury. A local exhaust is recommended if spray mist is created in an enclosed area. We recommend the use of a painter's mask during application. Refer to MSDS.

Coverage Rate Chart:

Estimated Square Feet Per Gallon

Adobe	250-350
Brick	300-550
Clay Tile	400-750
Concrete	200-300
Grout	300-750
Limestone	200-300
Man Made Stone	250-450
Pavers	300-500
Plaster	350-550
Slate	400-500
Stucco	300-750

- Test Area Is Recommended -

6. Benefits:

1. Surface is more abrasion and crack resistant
2. REPELLER remains resilient
3. Increases density
4. Resists oil and repels water
5. Enhances traction quality
6. Improves freeze-thaw damage resistance
7. Makes ice removal easier from concrete
8. Improves fungus and mildew resistance
9. Enhances bonding of coatings, toppings, etc.
10. Eliminates or retards efflorescence
11. Other than normal maintenance not required