

PROTECRETE®

CONCRETE'S BEST SOLUTION

FORMERLY KNOWN AS PROTECRETE-SSC SURFACE SAVER

1. Product:

REDEEMER, formerly known as PROTECRETE-SS Surface Saver

2. Manufacturer:

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

REDEEMER, an acrylate aqueous dispersion, when applied, develops into a strong durable flexible coating which adheres tenaciously to clean bare surfaces, i.e., concrete, drywall, powerwall, masonry, wood, etc. REDEEMER is a non-toxic, environmentally friendly, user friendly, odorless, clear drying (unless pigmented), non-flammable, surface penetrating unique multi-purpose coating material.

Basic Use:

REDEEMER is an excellent paver joint sand consolidator, or it can be power troweled into weak concrete surfaces crazed, cracked, or otherwise flawed, to provide extra strength, integrity, flexibility, chemical/acid resistance, etc., through consolidation. REDEEMER can be used as a protectant, dustproofer, waterproofer, etc., by spraying, squeegeeing, rolling, dipping, or brushing. It could also be utilized as heavy-duty topping by adding sand, cement, or sand and cement, or even used to repair and solidify cracks by filling cracks level—full of dry fine sand and cement mix and passing a bead of REDEEMER over it to penetrate it, if coating is planned allow crack material to dry before coating. Drying time varies with application thickness and ambient temperature. Dryness can be ascertained by checking for tackiness at tail-end of application, REDEEMER is non-tacky when dry. However, at least 24 hours drying time should be allowed for strength development, prior to placing newly-placed coating into heavy duty surface. REDEEMER should not be applied where temperature is below 55°F.

4. Some Advantages:

- Provides extra strength
- Provides flexibility and integrity
- Chemical/acid resistant
- Protectant/waterproofer/dustproofer
- Can be utilized as heavy-duty topping
- Can be used to repair/solidify cracks
- Easy to apply
- Environmentally friendly
- Non-toxic

5. Technical Data:

Physical: Liquid

Product type: acrylate, aqueous dispersion, with proprietary additives

pH range: 7-8

VOC/VOS content: Insignificant trace VOC

Color: Milky white (unpigmented)

Specific gravity: 1.04

Elongation: 3 mils 100%, 10 mils 400-500%

Flexibility: Excellent

Resistance to aging: Excellent

Flash point: N/A

Decomposition products: CO, CO₂, NO_x

Solids content %: 25-30

Freeze point: 32°F

Freeze harm: Possible, but not likely

Storage temperature: 50-85°F (10-30°C)

Dry color: Clear, transparent

Recommended Coverage: 75-300 S.F./Gal, depending on use

6. Installation:

AS A PROTECTIVE COATING:

Note: Always start with a clean, bare surface. Remove all dirt and buildups.

- a. Using a paint roller, apply evenly at the rate of about 300 square feet per gallon.
- b. Allow at least 24 hours to dry thoroughly. May require more curing time in high traffic areas. Consult manufacturer.

AS A SAND CONSOLIDATOR:

- a. Use low pressure non-atomizing sprayer.
 - b. Apply uniformly over pavers and sand at a rate of 150 square feet per gallon.
 - c. Use a small squeegee to wipe excess product from paver tops into sand joints.
- Note: Do not allow surplus product to air dry on paver joints.*

FOR CRACK REPAIR:

1. Fill cracks with a dry fine sand and cement mixture.
2. Using a pointed squeeze bottle, cover with a bead of REDEEMER.

3. Allow to completely set (at least 24 hours) before installing a film coat over the surface.

7. Precautions:

- a. Protect areas not intended for coverage as product is very difficult to remove later. REDEEMER will damage or kill vegetation and will stain or etch glass, plastic and aluminum. If contact should occur, wash immediately with water.
- b. Do not apply when ambient temperature drops below 55°F.
- c. REDEEMER will adhere to the first surface it meets, including dirt. If product adheres to dirt, it will peel up. If this occurs, peel away product, clean surface, and reapply.
- d. When applied as a coating, REDEEMER must be applied in a thin layer or the strength of the bond will be compromised.
- e. REDEEMER has an almost insignificant trace of VOC. Incidental skin contact is not hazardous, but ingestion or eye contact should be avoided. We recommend use of a painter's mask during application. Refer to MSDS.

8. Warranty:

ACT warrants that if any goods supplied prove defective in workmanship or material, that ACT shall replace them or refund their purchase price. This warranty is made in lieu of any and all other warranties, expressed or implied, including the warranties of merchantability and/or fitness which are hereby disclaimed. It is understood and agreed that Buyer's sole remedy, and therefore ACT's liability, whether in contract, tort, under any warranty, in negligence, or otherwise shall be limited to the return of the purchase price paid by Buyer or replacement of any defective goods sold by ACT and under no circumstances shall ACT be liable for special, indirect or consequential damages. The price stated for the goods is a consideration in limiting ACT's liability. Before application, the user shall determine the suitability of the product for user's intended use and user assumes all risks and liabilities whatsoever in connection therewith. The terms of this paragraph may not be orally modified. There are no warranties which extend beyond the face hereof.