

1. Product:

PROTECRETE Floor Saver System — Part Two

2. Manufacturer:

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

PROTECRETE Floor Saver System — Part Two, an acrylate aqueous dispersion, when applied, develops into a strong durable flexible coating which adheres permanently to clean bare surfaces. PROTECRETE-FSS2 is a non-toxic, environmentally friendly, user friendly, odorless, clear drying, non-flammable, surface penetrating unique multi-purpose coating material.

Basic Use:

PROTECRETE-FSS2 follows the application of PROTECRETE Floor Saver System Part One. It provides a membrane that further limits the moisture vapor transmission process. The membrane becomes incredibly hard with elastomeric properties between 100% and 300%. PROTECRETE-FSS2 is a protectant, dustproofer, waterproofer, etc., that is rolled onto the concrete. Protection of the floor will continue through the life of the concrete slab.

PROTECRETE-FSS2 has excellent bonding qualities. When properly installed, calcium chloride test readings will be at levels of all flooring manufacturers' specifications.

PROTECRETE-FSS2 drying time varies with application thickness and ambient temperature. PROTECRETE-FSS2 should not be applied where temperature is below 55°F, dryness can be ascertained by checking for tackiness, at tail-end of application, PROTECRETE-FSS2 is non-tacky when dry. However, adequate drying time should be allowed for strength development, prior to placing newly-placed coating into heavy duty service.

4. Some Advantages:

- Balances pH levels
- Stops glue failure
- Gives added life to flooring adhesives
- Provides extra strength
- Provides flexibility and integrity
- Chemical/acid resistant
- Protectant/waterproofer/dust-proofer
- Can be utilized as heavy-duty topping
- Simple 1-2-3 application process
- Environmentally friendly
- Odor free and 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: Gray or Beige (pigmented)
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: Gray or Beige pigmented
Recommended Coverage: 240 S.F./Gal, per application recommend 2 coats.

6. Before Applying:

- a. Complete the floor preparations and PART ONE application.
- b. Ensure that calcium chloride test readings are 8 pounds or less.
- c. Flooring installation contractor must be satisfied up to this point before proceeding with PART TWO installation.

7. Application:

- a. Use a dense medium-nap paint roller or a squeegee.
- b. Apply PART TWO evenly at the rate of 240 square feet per gallon for the primer coat beginning with areas underneath appliances, as well as areas along the walls and entryways, then to remainder of floor.

c. Use overlapping patterns of north and south, east and west strokes.

d. Allow adequate time to harden before use: 2 hours before walking on it. Then apply an application of PART TWO CRACK REPAIR to any cracks. CRACK REPAIR is mixed with the Thickening Activator with a paddle type mixing tip on a corded or cordless drill to the consistency of vasoline. This product is then applied to the cracks with a putty knife and is hard within 45 minutes. A 2nd coat of PART TWO(240 sq. ft. per gallon) is then applied for the finish coat.

e. Perform a calcium chloride test after curing to verify that moisture content is at acceptable level.

f. When desired moisture content is achieved and PART TWO is sufficiently dried and found satisfactory to the flooring installation contractor and meets flooring manufacturer's specifications, the flooring may now be installed per the manufacturer's instructions.

8. Precautions:

- a. Protect areas not intended for coverage as product is very difficult to remove later. PART TWO will damage or kill vegetation and may permanently adhere to glass or plastic. If contact occurs, wash immediately with water.
- b. Do not apply when ambient temperature drops below 55°F.
- c. PART TWO will adhere to the first surface it meets, the surface must be clean and free from any and all coatings.
- d. PART TWO can be applied as the adhesive is VCT and seamless vinyl flooring applications. Contact manufacturer for complete details.
- e. PART TWO has a minor, 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.