

# SEALERS

# STAUF®

FLOORING ADHESIVES USA

## PRODUCT DESCRIPTION

STAUF ACS-210 True-Seal is a pure acrylic based sealer for professional flooring installation. It does not contain any solvents, isocyanates or other materials harmful to one's health. It is therefore ozone and environmentally safe, is certified as "very low emissions", and is certified "green." ACS-210 is uniquely developed to retard the moisture pressure from a humid sub floor to an acceptable level for flooring installation and to bridge minor cracks in the sub floor. ACS-210 spreads easily and creates a dust free and evenly absorbent surface ready for installation of flooring. It has superior coverage and dries very quickly.

## PRODUCT FEATURES

### General Features:

- Dries in less than 2 hours
- Works under any STAUF adhesive
- Works under any flooring
- Contains no solvents
- Contains no VOC
- Nonflammable
- Ozone friendly
- No health hazards
- No risk of sensitization
- PVA-dispersion base cleans with water
- Not freeze/thaw stable

### Installation Features:

- Very low odor
- Cleans with warm water and soap
- Spreads easily
- Good penetration of sub floor
- Dries quickly
- Higher temp will shorten drying time
- Suppresses minor cracks in concrete slabs
- Apply with #22 trowel (up to 80 sq. ft./gal.)

### Long Term Features:

- Improves bonding of:
  - leveling compounds
  - water based adhesives
  - alcohol based adhesives
  - urethane based adhesives
  - polymer adhesives
- Moisture barrier up to 8# or 85% RH
- Suitable for radiant heat systems

## TRUE-SEAL® ACS 210



### SUITABLE STAUF ADHESIVES

- ECO-MASTIC M2A-900
- SOLVA-MASTIC WFR-930
- SUPERIOR SMP-940
- POWER-MASTIC PUM-950

## PRODUCT DESCRIPTION

STAUF ERP-270 is a two component epoxy reaction resin based sealer for professional flooring installation on damp sub floors.

ERP-270 will retard moisture pressure from a humid sub floor to an acceptable level for flooring installation. It will bridge minor cracks in the sub floor.

ERP-270 spreads easily and creates a dust free surface ready for safe installation of flooring. It increases the bonding of subsequently applied primers, leveling compounds and/or adhesives.

## PRODUCT FEATURES

### General Features:

- Seals slabs with any moisture content
- Works under any type of flooring
- Contains no water
- Contains no chlorinated solvents
- Contains no solvents
- Contains no VOC
- High solids content
- Ozone friendly
- Freeze/thaw stable
- Contains no isocyanates

### Installation Features:

- Low odor
- High spread rate
- Excellent penetration of sub floor
- Higher temp & RH will shorten drying time
- Observe pot life during installation
- Apply with foam roller (up to 140 SF/gal.) or #22 trowel (up to 70 SF/gal.)

### Long Term Features:

- Resistant against aging
- Improves bonding of urethane based adhesives
- Improves bonding of polymer adhesives
- Moisture barrier up to 18# or 97% RH @ 140 SF/gal. spread
- Moisture barrier for any moisture @ 70 SF/gal. spread
- suitable for radiant heat systems

## PERMA-SEAL® ERP 270



### SUITABLE STAUF ADHESIVES

- SUPERIOR SMP-940
- POWER-MASTIC PUM-950
- ONE-STEP SMP-960
- RENOVATOR CBR-970

# SEALERS

TRUE-SEAL®  
**ACS 210**

PERMA-SEAL®  
**ERP 270**



## INSTALLATION PROCEDURE

### Sub Floor Examination:

Prior to starting, the sub floor must be checked according to applicable installation guidelines. It must be solid and sound, flat, permanently dry, clean, free of chaps, indentations and antiadherents as well as resistant to pressure and tension.

Moisture content of all floors must be measured before installation. Moisture content in concrete sub floors must be below 8#/24hrs/1,000 SF (Calcium Chloride Test) or less than 85% RH (*in situ* probe) for ACS-210. For ERP-270 the moisture content must be below 18#/24hrs/1,000 SF (Calcium Chloride Test) or less than 97% RH (*in situ* probe) unless procedures for unknown moisture are followed.

### Sub Floor Preparation:

Depending on type and condition of sub floor, a mechanical treatment (e.g. mechanical brushing, grinding, or sanding) is required. Intensity of such work needs to be determined at site. Dust, paint, residual adhesives or other surface pollution must be removed by suitable means. We recommend cleaning the surface with an industrial vacuum cleaner. Cracks and gaps must be filled with concrete crack filler prior to application of primers, sealers, leveling compounds and/or adhesives unless they are expansion joints. A primer is generally required with all sub floor heating systems. Do not install in standing water or on wet surfaces

### Sealing Procedure:

Do not dilute sealers. Make sure sealers are spread evenly. The spread rate is critical for a successful installation. Do not exceed maximum coverages. Higher temperatures will speed up the drying time.

### TRUE-SEAL ACS-210

Shake can before use and apply sealer undiluted with a #22 trowel.

### PERMA-SEAL ERP-270

Mix according to instructions on pail. For sub floor moisture up to 18#/24hrs/1,000 SF (Calcium Chloride Test) or 97% RH (*in situ* probe), spread ERP-270 with a foam roller over no more than 140 SF/gal. For sub floors with a higher or unknown moisture content up to 25#/24hrs/1,000 SF (Calcium Chloride Test) or 100% RH (*in situ* probe), spread ERP-270 using a #22 notched trowel over no more than 70 SF/gal.

## USAGE & ACCIDENT INFORMATION

Please refer to our technical data sheet and MSDS for information. See website at [www.staufusa.com](http://www.staufusa.com).

## SUITABLE SUB FLOORS



Ceramic ●

CER



Radiant-heated Sub Floors ●■

HEAT



Stone ●

STO



Concrete ●■

CON



Old floors to be renovated ●

OLD



Terrazzo ●

TER

- Suitable with Stauf TRUE-SEAL® ACS-210
- Suitable with Stauf PERMA-SEAL® ERP-270

## LIMITATIONS

When using other than Stauf products in combination with Stauf sealers, we deny any and all responsibility for any ensuing problems and/or damages without prior written permission from Stauf.

### TRUE-SEAL ACS-210

Do not dilute primer/sealer or mix with other products. Do not use on sub floors with a moisture reading above 8#/24hr./1,000 sq. ft. (Calcium Chloride Test) or 85% RH (*in situ* probe). Concrete pH value must be below 12.4

### PERMA-SEAL ERP-270

Do not dilute primer/sealer or mix with other products. Do not use on sub floors with a moisture reading above 18#/24hr./1,000 sq. ft. (Calcium Chloride Test) or 97% RH (*in situ* probe) when using the 140 sq. ft./gal. spread.

## SEALER PROPERTIES

Color: TRUE-SEAL ACS-210 White  
PERMA-SEAL ERP-270 Comp A: Clear  
Comp B: Yellow

ERP-270 Pot Life: At 50°F; approx. 60 min.  
At 70°F; approx. 45 min.  
At 90°F; approx. 30 min.

Packaging: ACS-210 2 1/2 gallon plastic jug (75 per pallet)  
ERP-270 Metal combo pail, contains A+B  
2 1/2 gallons (60 per pallet)  
3 quart (120 per pallet)

Shelf Life: Approx. 12 months

## STORAGE & TRANSPORT

### TRUE-SEAL ACS-210

Transport above 32°F. Store in a dry place, above 32°F.  
● Weight: 8.6 lbs./gal.

### PERMA-SEAL ERP-270

Do not transport below 5°F.  
UN 3082 environmentally hazardous substance, Liquid, N.O.S. reaction product DOT class 9 UN 2795 Polyamines, Liquid, corrosive, N.O.S. DOT class 8. Store in a dry place protected from frost and freezing  
● Weight: 9.0 lbs./gal.