



PRODUCTS

Division of Sierra Corporation

ACHRO SEAL AS-30

Meets Federal EPA's VOC Requirements

Technical Data



PRODUCTS
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ACHRO SEAL AS-30
Curing and Sealing Compound

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1. PRODUCT NAME
ACHRO SEAL AS-30

2. MANUFACTURER
TK PRODUCTS, DIVISION OF
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3. PRODUCT DESCRIPTION
AS-30 is a concrete curing, sealing, hardening and dustproofing compound for use on exterior and interior work, either freshly placed or existing concrete.

The higher solids content provides the maximum effective cure and seal and abrasion resistance without losing its capability to remain clear and bright. The film forming coating penetrates into the surface creating an excellent bond and resistance to penetration of stains and foreign matter. In addition, AS-30 offers excellent resistance to salts, deicing chemicals, oil and grease, fumes and smog in heavy industrial areas, and smog and salt sea air in coastal areas.

On existing concrete, AS-30 protects and dustproofs the surface providing easier maintenance and cleaning. A bright, interior floor surface augments the light level. The coverage rate can be increased because of the higher solids content.

Uses:

AS-30 is recommended for use on industrial and warehouse floors, paving, parking ramps, bus and freight terminals, walls and columns and also on terrazzo.

Compatibility:

AS-30 is compatible with a wide variety of tile adhesives and paints. Better adhesion is achieved between the sealed surface and the tile or carpeting than unsealed concrete.

Subsequent coats of AS-30 can be applied after all trades are finished, or in later years to give the surface a freshly sealed appearance.

4. TECHNICAL DATA

Composition:

AS-30 is a clear Methacrylate/Acrylic Copolymer resin and does not contain waxes or oils.

Properties:

- Flash point: 105°F
- Moisture retention: .29 kg/m² at 300 sq. ft. per gallon
- % solids by weight: 30%
- Drying time: one hour

Cold weather applications may require longer drying time.

Specifications:

- ASTM C-1315-95, Type 1, Class A, B, and C.
- ASTM C-309 Type 1 Class A & B and Type 1 D.
- TT-C-800A Type 1 Class 1.
- AASHTO des. M-148, Type 1.
- A.I.M. Category: Curing and Sealing Compound, maximum VOC 700g/l.

A.I.M. Definition - AS-30 is a liquid membrane-forming compound marketed and sold solely for application to concrete surfaces to reduce the loss of water during the hardening process and to seal old and new concrete providing resistance against alkalis, acids, and ultra violet light, and provide adhesion promotion qualities. The coating meets the requirements of American Society for Testing and Materials (ASTM) C-1315-95, Standard Specification for Liquid Membrane Forming Compounds Having Special Properties for Curing and Sealing Concrete.

-USDA authorization for use in meat, poultry and food processing plants.

-The allowable moisture loss for ASTM C-309 is .55 kg/m², C-1315 is .40 kg/m², and for TT-C-800A is .039 gr/cm², AS-30 far exceed these in moisture retention.

5. APPLICATION PROCEDURES AND INSTRUCTIONS

AS-30 is ready for use with either a low pressure (30-40 lb.) sprayer equipped with neoprene gaskets, hose, etc., or a long napped applicator, roller or brush. Do not thin. It is unlawful to further reduce with non-exempt solvents.

New Concrete: Apply evenly with sprayer after final finishing is completed and all surface water has disappeared.

Existing Concrete: The surface must be clean, dry and free of dirt and foreign matter. Incompatible coatings such as wax should be removed. Very porous surfaces may require a second coating.

Coverage:

Freshly placed concrete: 350-600 sq. ft. per gallon. Existing concrete: 400-600 sq. ft. per gallon (coverage will vary with porosity and floor finish).

Clean Up:

Clean sprayers and other application equipment with TK-00 Solvent. Always leave approximately one pint of solvent in the sprayer when not in use to insure against hose clogging. For next day use, place nozzle in solvent can, pump sprayer to force solvent up the hose into the handle and wand area, squirt once or twice.

Limitations:

In recent years, extenders and additives, such as concrete admixtures and fly ash, among others, are being incorporated into ready mixed concrete. These products can cause areas of different porosity in the concrete mass, leaving areas with a darker shade than other areas of the finished surface. Coverage ratios of concrete curing and sealing compounds should be adjusted to compensate for these variations and for second coat applications.

Imperfections in the concrete may also be highlighted.

This product is to be applied according to recommended coverage rates. If product is over applied, it may cause discoloration.

Not for use where spillage of solvents, fuels, brake, transmission or hydraulic fluids, etc. are expected.

Precautions:

AS-30 contains aromatic hydrocarbon. Keep away from heat and flame. Prevent build-up of vapors by opening all windows and doors to achieve cross ventilation. Use only with adequate ventilation. Do not breathe vapor or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, head-aches or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Close container after each use. Avoid contact with eyes, skin, and clothing. Wash after handling. KEEP OUT OF REACH OF CHILDREN. Do not allow vapors to penetrate into food-stuffs. Remove animals from quarters until all fumes have dissipated. AS-30 in its cured state is not toxic.

First Aid:

If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Call physician immediately.

In Case of Fire:

Use foam, CO₂, dry chemical. Do not use water spray. Generic Name: Petroleum Distillates.

Spills or Leaks:

Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused content in accordance with local, state and federal regulations.

6. AVAILABILITY

ACHRO SEAL AS-30 is available through TK Distributors. Contact TK PRODUCTS for the nearest distributor. *Packaged in:* 55 gallon drums, 5 gallon pails and one gallon cans.

Maintenance:

Minimal maintenance is required other than normal sweeping, dusting, or mopping. If wear patterns do occur, or spillage removes the coating, AS-30 can be reapplied to the affected area.

7. LIMITED WARRANTY

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8. TECHNICAL SERVICES

The TK office offers assistance with specifications, performance test data and field services.

9. FILING SYSTEMS

Information Handling Service:
PO BOX 1213
Englewood, CO 80150
Information Marketing Services:
13271 Northend
Oak Park, MI 48237

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