

S-Seal

Qualifies for LEED Credit EQ 4.1

Detail

Premium grade water based duct sealant.

- Fire Resistant
- UL 723 Classification
- UL 181B-M Listed
- Extremely Flexible
- Water Based
- For applications up to 15" w.g.
- Resists Mildew
- Indoor or Outdoor use
- Base: Synthetic latex emulsion
- Color: Gray
- Type: Water Base
- Weight: 11±.2 lbs per gallon
- Solid Contents: 66% ±2%
- Viscosity: 350,000 c.p.s.
- Application Temp: 35°F to 100°F
- Service Temp: -25°F to 175°F
- Storage Temp: 40°F to 85°F
- Dry To Touch: 1 hour (approx.)
- Cure Time: 24 to 72 hours + (depending on humidity, application, and temperature)
- Flammability: Non-flammable in both wet and dry state
- Flash Point: No flash to boiling
- Mildew Resistance: Excellent
- Water Resistance: Excellent
- Flexibility: Excellent
- Freeze Thaw Stability: 5 cycles
- Coverage: 25 sq.ft./gal. at 1/16"
50 sq.ft./gal. at 1/32"
- Odor: Mild (wet) None (dry)
- Shelf Life: 1 year
- Cured Sealant: Tough and permanently flexible
- Flame Spread: 0
- Smoke Developed: 0
- Ultraviolet Ray and Ozone resistant
- LEED Compliant



CONTACT

Office: 888.973.7600

1100 Ashwood Drive
Suite 1102
Canonsburg, PA 15317

www.clward.com

Packaging

Item	Description	Packaging	Weight
SUPERSEALT	S-Seal 11oz Tube	25 tubes/case	25 lbs/case
SUPERSEAL1	S-Seal 1 gal	4 gallon/case	50 lbs/case
SUPERSEAL5	S-Seal 5 gal	Each	64 lbs/pail
SUPERSEAL54	S-Seal 54 gal	Each	700 lbs/drum



Detail

Surface Preparation: For good brushability, store at room temperature at least 24 hours before applying. Surfaces should be clean, dry and free of any dirt, oil, grease, water or foreign matter

Application: (DO NOT THIN) Do not apply when rain or freezing temperatures will occur within 36 hours

When Used In Conjunction With Sheet Metal: Apply by brush, hand, towel or spray. CL WARD & FAMILY Water Base Duct Sealer should be applied to duct connections according to all applicable SMACNA standards. Apply to the inside of female fittings and outside of male fittings. Assemble the joint. Brush sealant over the assembled joint. Thoroughly cover joint and screws with a 2" TO 3" wide band. Assembly should cure for 24-72 hours before pressure testing the system. Since field temperature/humidity conditions may vary, longer set times may be required for specific installations. Apply at a rate of 50 sq.ft. per gallon (1/32" thick).

When Used In Conjunction With UL181 Listed Flexible Air Ducts: Apply by brush a 1/16" (25 sq.ft. per gallon) coating and allow to dry a minimum of 24-72 hours. Since field temperature/humidity conditions may vary, longer set times may be required for specific installations. Use with mechanical fasteners per Air Duct installation instructions.

Limited Product Warranty

CL WARD & FAMILY, INC is not liable for consequential, incidental or special damages. There are no statutory or implied warranties including the warranties for fitness for a particular purpose and merchantability. There are no warranties other than as set forth below and CL WARD & FAMILY, INC neither assumes nor authorizes any person to assume any liability or other obligation in connection with Water Base Sealant.

Water Base Duct Sealer are warranted to be free from any and all defects in material and workmanship only at the time of shipment from our plant. If material is shown to be defective at the time of shipment from our plant, CL WARD & FAMILY will replace or issue credit for the original price.

Water Base Duct Sealer will provide an airtight seal between most surfaces normally used in duct construction when installed according to the printed application directions. To determine the suitability of Water Base Sealant for each specific purpose, the user must make his own test and determination. CL WARD & FAMILY, INC does not guarantee the

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MATERIAL SAFETY DATA SHEET

ISSUE DATE: 1/7/98

REVISED DATE: 1/05/04

Supersedes: Any previous M.S.D.S. on this product

EMERGENCY TELEPHONE NUMBER: CHEM-TEL, INC 1-800-255-3924

I. IDENTIFICATION

PRODUCT NAME: S SEAL
PRODUCT CLASS: Water Based Duct Sealant

C.L. Ward & Family Inc.
1502 Industrial Drive, Unit 2
Monongahela, PA 15063

II. HAZARDOUS INGREDIENTS

REPORTING REQUIREMENTS:

OSHA Hazard Communication Standard (29CFR1910.1200) hazard class.....None

EPA SARA Title III Section 312 (40CFR370) hazard class.....None

EPA SARA Title III Section 313 (40CFR372) toxic chemicals above "de minimis" level are....None

CALIFORNIA PROP 65 substances listed by the State of California under the "Safe Drinking Water and Toxic Enforcement Act of 1986".

No such substances are present in reportable amounts for occupational exposure as per OSHA's approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.

III. PHYSICAL DATA

APPEARANCE: Gray caulking

SOLUBILITY IN WATER: Dilutable

BOILING POINT: 100°C / 212°F

WEIGHT PER GALLON: 11 ± .2 lbs/gallon

VOLATILE BY WEIGHT: 34% ± 2% (Water)

VAPOR DENSITY: Heavier than Air.

EVAPORATION RATE: (BAC = 1) Less than 1

ODOR: Mild

PHYSICAL STATE: Paste

Ph: 8 to 9.5

VOC Content: 41 g/L (S SEAL) 21 g/L (S SEAL FR) EPA Method 24

IV. HEALTH HAZARD DATA

CAUTION: May cause discomfort in eyes. Prolonged or repeated contact with skin may cause dryness.

IN EYES: Flush with water for 15 minutes.

ON SKIN: Wash with soap and water.

INGESTED: Seek medical attention.

INHALATION: No effects expected. If difficulty breathing occurs remove to fresh air and consult physician.

V. EMERGENCY AND FIRST AID

FLAMMABILITY CLASS (OSHA/NFPA): None.

FLASHPOINT: >212°F PM Closed cup

EXTINGUISHING MEDIA: Water or dry type extinguisher.

UNUSUAL FIRE HAZARD: Containers may burst when exposed to extreme heat.

FIRE FIGHTING PROCEDURES: Firemen should wear equipment to protect against noxious fumes. Self contained breathing apparatus may be needed

PRODUCT OF COMBUSTION: May yield Carbon Monoxide and/or Carbon Dioxide.

VI. SPILL OR LEAK PROCEDURES

Collect spilled material in salvage container. Small amounts may be absorbed into appropriate absorbents. Prevent spill from entering sewers, drains, and waterways.

Dispose of product in accordance with applicable local, state, and federal regulations.

VII. SPECIAL PROTECTION

VENTILATION: Provide sufficient ventilation to maintain constant fresh air in workplace.

EYE PROTECTION: Use safety goggles when splash potential exists.

HAND PROTECTION: Protective impervious gloves are recommended.

OTHER: A clean source of water should be available for washing eyes and skin.

VIII. REGULATORY INFORMATION

Non-flammable, as a Latex compound

U.S.A.: Regulation by the following: DOT, IMO, ICAD/IATA: None

Canada: Regulation by the following: DSL, WHMIS: None

European: EEC SYMBOL: None

EEC Classification, Packaging and Labeling of Dangerous Substances: None

TSCA 12(b) Export Notification Requirement: All components of this product are either listed on the U.S. Toxic Substances Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA regulations.

IX. REACTIVITY DATA

STABILITY: Stable under normal conditions of handling and use.

INCOMPATIBILITY: Products may react violently with products that react with water.

HAZARDOUS DECOMPOSITION: Fumes produced when heated to decomposition may include: oxides of carbon, nitrogen, and sulfur along with hydrocarbon residues.

HAZARDOUS POLYMERIZATION: Will not occur.

X. SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Store in tightly closed containers at temperatures 45°F to 90°F. . Guard against inhalation of excess vapors, ingestion, and contact with skin and eyes. Change soiled workclothes frequently. Clean hands after handling. Precautions also apply to emptied containers. Keep containers away from extreme heat and cold. Prevent from freezing, but if product is allowed to freeze, thaw completely before use.

This information is taken from sources or based upon data believed to be reliable; however, C.L. Ward & Family Inc. makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist, as all materials may present unknown health hazards.