

# Gaskets, Sealants & Adhesives

Ductware®, productivity solutions with green results



Gaskets, Sealants  
& Adhesives

## Water Based Sealant



**UL 181B-M LISTED**



**PROSEAL® IS A PREMIUM WATER-BASED HIGH VELOCITY DUCT SEALANT.**

### SPECIAL CHARACTERISTICS:

- Qualifies for LEED™ EQ Credit 4.1
- UL 723 Classified
- UL 181B-M Listed
- ASTM G21 & G22 Fungal & Bacterial growth resistance rating 0: no fungal growth on surface, no bacterial growth
- Permanently Flexible
- Non-Flammable
- Exceptional Workability
- Will Not Drip or Sag
- Low Brush Drag and Spreadability Reduces Labor Cost
- No VOCs
- Low Shrinkage
- Excellent Adhesion to Metal
- Mild Odor
- Paintable: Latex or Epoxy Paint
- Indoor or Outdoor Use
- Superior Sealing Strength
- Conforms to Requirements of NFPA 90A & 90B
- Mildew Resistant
- Good up to 15" WG
- High Velocity & Pressure



UNDERWRITERS LABORATORIES, INC.  
CLASSIFIED  
CAULKING AND SEALANTS  
SURFACE BURNING CHARACTERISTICS

PROSEAL Duct sealant applied to inorganic reinforced cement board  
Flame Spread 0 Smoke Developed 0

Tested applied in two 2" wide stripes 8" on center (coverage 18 percent of the exposed test sample area) at a coverage rate of 25 sq. ft. per gallon. Flash point of finished sealant, closed cup. No flash to boiling.



## Water Based Sealant

### TYPICAL PHYSICAL PROPERTIES AND TECHNICAL INFORMATION

PROSEAL BASE: Synthetic latex emulsion  
 COLOR: Gray  
 TYPE: Water Base  
 SOLID CONTENTS: 66% ± 2%  
 VISCOSITY: 350,000 c.p.s.  
 APPLICATION TEMPERATURE: 35°F to 110°F  
 SERVICE TEMPERATURE: -25°F to 200°F  
 STORAGE TEMPERATURE: 40°F to 85°F  
 FLAMMABILITY: Non-flammable in both wet and dry state

FLASH POINT: No flash to boiling  
 FLEXIBILITY: Excellent  
 MILDEW RESISTANCE: Excellent  
 WATER RESISTANCE: 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 (unopened container)  
 CURED SEALANT: Tough and permanently flexible  
 DRY TO TOUCH: 1 hour (approximate)  
 CURE TIME: 24 to 72 hours + (depending on humidity, application and temperature)

### PACKAGING & ORDERING INFORMATION:

ITEM NO.	DESCRIPTION	QTY & WEIGHTS
PROseal T	PROseal 10.5 oz. Tubes	(25) 10.5 oz tubes @ 25 lbs/cs
PROseal TQ	PROseal QT. Tubes	(12) 32 oz tubes @ 25 lbs/cs
PROseal 1	PROseal 1 gal. pail	(4) 1 gal pails @ 50 lbs/cs
PROseal 5	PROseal 5 gal. pail	(1) 5 gal pail @ 64 lbs/pail
PROseal 55	PROseal 55 gal. drum	(1) 55 gal drum @ 700 lbs/drum

#### RECOMMENDED USES

To seal metal joints against air leaks in low, medium and high pressure duct systems.

#### DIRECTION FOR USE

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

**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, trowel or spray. PROseal/FIBERseal 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 to 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 UL 181 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.

**PRESSURE RATING:** PROSEAL is recommended for use in HVAC duct systems which do not exceed 15" water column pressure. Fiber glass mesh scrim should be used to reinforce all systems with pressures in excess of 15" and where needed to bridge gaps in ductwork joints which may exceed 1/4".

**CLEAN-UP:** Use warm soapy water to clean up sealant while it is still wet.

KEEP OUT OF REACH OF CHILDREN

Consult the MSDS Sheet Before Using Product



## Mastics & Gaskets

## Gaskets

### 440™ BUTYL GASKET



Ductmate 440 is a non-skinning, non-drying synthetic polymer based sealing tape, capable of withstanding joint movement without cracking.

#### PERFORMANCE PROPERTIES:

Solids: 99.8%  
 Color: Off White  
 Density: 1.45 gm/cc ± .05  
 Flash Point: 400°F - Penske Martens CC (ASTM E-134)  
 Shelf Life: 1 yr. minimum  
 Life Expectancy: 20 yrs. minimum  
 Service Temperature: -65°F to 220°F  
 Oil Migration: None (applied to galvanized steel and subjected to a temperature of 158°F for one week)  
 Flexibility: No cracks when bent around a 1/4" mandrel after being subjected to 3 wks at 75°F, 24 wks at -40°F and 3 wks at 158°F  
 Adhesion: Excellent to most non-porous surfaces  
 Specifications: MIL-C 0 18969 B, Type 2, Class B  
 Elongation (%min): Over 300%  
 UL 723 (ASTM E-84-84) Test Data:  
 Flame Spread: 10  
 Fuel Contribution: 0  
 Smoke Density: 10

#### ORDERING INFORMATION

PART #	PACKAGING
440 3/16 X 5/8	(20) 25 ft/rolls 500 ft/case @ 45lbs/case
440 3/16 X 1 (used w/ DM45)	(16) 25 ft/rolls 400 ft/case @ 53lbs/case

### NEOPRENE GASKET



Neoprene Gasket Tape is a synthetic closed cell, rubber-based sealing tape. Excellent for connecting ductwork which must be taken apart periodically for cleaning purposes, or for fire damper breakaway installations.

#### PERFORMANCE PROPERTIES:

Color: Black  
 Density: (p.c.f.) average 8.12  
 Water absorption by wt. (max): 5%  
 Compression deflection (p.s.i.): 2-5  
 Temp range(°F):  
 Low (Flex without cracking) -40°F  
 High continuous 150°F  
 High intermittent 200°F  
 UL 94 HF-1-Passes

#### ORDERING INFORMATION

PART #	PACKAGING
NEO 5/16 X 3/4 (Recommended for spiralmate, ovalmate, & econoflange round & oval)	(15) 50 ft/rolls 750 ft/case @ 15 lbs/case
NEO 5/16 X 1 (Used with DM45)	(20) 50 ft/rolls 1000 ft/case @ 23 lbs/case
VM GASKET-L 5/16 X 1 1/4	(16) 50 ft rolls 800 ft/case @ 21 lbs/case

### SPECIALTY GASKETS

- F.D.A. GRADE FOR FOOD PROCESSING SYSTEMS
- POLYETHYLENE FOR ABRASIVE MATERIALS
- SILICONE, FIBERGLASS & CERAMIC FIBER ROPE FOR HIGH-TEMP APPLICATIONS

**\*MINIMUM QUANTITIES & EXTRA LEAD TIME NEEDED. CONSULT DUCTWARE® FOR MORE INFORMATION.**

