

PRODUCT DESCRIPTION

SAAFSEAL is a water based duct sealant, fire resistive fibrated, water resistant, durable low shrinkage, non-toxic and odorless acrylic latex vapor barrier sealant, which is used for low, medium & high velocity HVAC ducting systems. It provides excellent adhesion to metal duct pre-insulated and flexible duct, connectors and aluminum jackets. SAAFSEAL is non-flammable, produce no harmful fumes, dries quickly and remains flexible after it has cured.

FEATURES AND BENEFITS

- Excellent Workability
- Crack & Peel Resistant
- Antibacterial & Mildew resistant
- Fire resistive
- Excellent Dry Adhesion
- Non-Flammable / non-toxic
- Indoor – Outdoor Uses
- Minimal Shrinkage
- Sag Resistant
- Excellent Water & U.V resistant
- Can be painted with Emulsions / Epoxy after cured.

COVERAGE:

45 linear meters per 450 gms cartridge at 3.2 mm bead thickness.

APPLICATION TOOLS

Caulking gun, Putty knife or any suitable applicator.

RECOMMENDED USES

- For indoor & outdoor of all types of low, medium and high velocity HVAC systems.
- Sealing joints, seams and penetration of metal duct.
- Sealing connections on flexible duct.
- Water column pressure.

STORAGE

- Should be stored tightly closed and away from direct sunlight in a cool, dry, well-ventilated area between 5°C to 39°C
- Protect from freezing
- Close the container tightly when not in use

SURFACE PREPARATION

All surfaces must be clean, dry and free from dust, dirt, paint, loose materials, oil, grease, sealers, curing compounds, waxes and all other contaminations.

PACKAGING

450 gms cartridges.

TECHNICAL DATA

BASE MATERIAL	Acrylic emulsion	SOLID CONTENTS ASTM D1644	78 – 82 %
COLOR	Grey or White	SERVICE TEMP.	-10oC to 100oC
VISCOSITY AT 25°C ASTM D2196	140,000 – 18,000 CPS (Sp. # 7 @ 20 rpm)	WATER VAPOR PERMEABILITY ASTM E96 / 92 FULL CURING	0.28 Metric perm (1.0 mm thickness)
SPECIFIC GRAVITY GM/CM3 ASTM D1475	1.5 – 1.7		7 - 14 days
PH ASTM D 1172	7 – 8.5	FLAMMABILITY	Non flammable Dry/Wet

APPLICATION METHOD

- The sealant should be applied to all connections, flange corners, sheet metal screw heads and sheet metals screws.
- Joining of the duct can be as follows: width of the joints must not exceed 20 mm, brush out uniformly a 2" wide coat cover around the outside of joint at a normal rate of 2 gal/100 sq ft (0.8 l/ m2) and the material to be forced into all sides of the joint, to provide a complete seal then allow the complete joint to dry at least 24 hours at a temperature of 25°C

LIMITATIONS:

Do not dilute, apply only to clean, dry, and oil free surfaces. Do not apply when raining. High humidity / low temperature may retard drying.

CLEANING & DISPOSAL

- Wet material is cleaned immediately with Water
- The Tools & the excess material should be cleaned immediately with water before it gets dry
- Dry product may be removed with hot soapy water / non-flammable solvents (chlorinated)
- Dispose the waste according to the local regulations

SHELF LIFE

18 months shelf life when stored in it's original unopened container between 5°C to 39°C.

HEALTH & SAFETY

The product is generally safe, non-toxic and non-flammable in wet condition.

The product should not be swallowed or allowed to come into contact with skin and eyes. Use of suitable protective gloves and goggles is advisable.

If eyes are affected with product rinse with excess amount of clean fresh water and seek for medical advice. If swallowed seek medical attention immediately and do not induce vomiting help.

HMIS Rating

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe; N = No information provided

ADDITIONAL INFORMATION

SAAF IS ALSO MANUFACTURES THE FOLLOWING RANGE OF PRODUCTS

- Solvent Based Adhesives
- Water Based Adhesives
- Flooring Adhesives
- Putties & Sealants
- Coatings
- Concrete Admixtures

For further information, kindly visit our website www.tigind.com