

PRODUCT DATA



- 2044 DUCT INSULATION BOND (HVACR THERMAL INSULATION PROTECTIVE ADHESIVE)

INTRODUCTION

FAME™ - 2044 DUCT INSULATION BOND is a water based thick blend of Polymers, Resins and Rubber possessing excellent water & oil proofing properties specially designed for bonding of PU Foam/Thermopore insulation over air-conditioning ducting/piping made of M.S., G.I., Copper, Aluminum, Stainless Steel & other metals. In addition it adheres to numerous other substrates such as plastics, polystyrene, wood, ceramic, cement plaster, concrete, masonry, stone, marble etc. It is an air drying product and on perfect drying the bond/seal/layer so obtained is tough but flexible, water & oil proof, non-cracking, vapor barrier, saline/salty, sub-soil water, dilute acids & alkalis resistant. The product besides being effectively used for joining two surfaces together, it is used as RUST/ CORROSION PROTECTIVE SEAMLESS INSULATION COATING (minimum 2 coats) ON EXPOSED TO WEATHER AND UNDER GROUND METALLIC PIPES & STRUCTURES.

TECHNICAL DATA

- Color : White & Yellow. Other colors on Bulk orders.
- Odor : Peculiar resinous smell while wet. No remarkable smell on curing.
- Solid Content : 70% ± 1% W/V (ASTM D-2507 & ASTM D-1475)
- Flash Point : Non-flammable.
- Tensile Strength : 295 kgf/cm² (ASTM D-412)
- Shore Hardness : 60
- UV Resistance : 10,000 hours (no affect)
- Peel Adhesion : 60 lb/inch²
- Viscosity : 1.30 Baume' at 20 °C
- Service Temp. : 5 °C to 80 °C
- Temp. Resistance : Safe between 0 to 165 °C constant.
- Coverage : 30-40 Sq. Ft. on non porous surface.

BEHAVIOUR/SAFETY

The dried (baked/cured) film or gaskety seal is flexible & non-cracking, vapor barrier, water & oil proof, diesel/dilute acid/ alkali U/V & weather resistant. It is non-toxic, non-flammable, non-corrosive and non-fungal. **Perfectly safe in handling.** (ASTM D-3278)

WATER VAPOUR PERMEANCE

For perfectly dried two uniformly thick coats (0.04") with 8 Oz. Canvas cloth sandwiched in between : 0.90 perm. Water vapor transmission through 1" thick impermeable insulation with 1/8" joints of compound negligible to be recorded. (ASTM E-398)

APPLICATION

Through brush, roller or mechanical dispenser.

USAGES

- **AUTOMOBILE INDUSTRY:**
 - ⇒ AS SOUND DEADENING COATING OVER METAL SURFACES AND JOINTS.
 - ⇒ AS ANTI-RUST AND PROTECTIVE COATING FROM ATMOSPHERIC CONDITIONS OVER METAL SURFACE & VEHICLE UNDER BODY.
- **HVACR AND ENGINEERING SECTOR:**
 - ⇒ ADHESIVE SEALANT FOR JOINING TWO SURFACES TOGETHER.
 - ⇒ RUST/CORROSION PROTECTIVE SEAMLESS INSULATION COATING (MINIMUM 2 COATS) ON METALLIC PIPES/STRUCTURES IN EXPOSED TO WEATHER AND UNDER GROUND APPLICATIONS.
 - ⇒ THREAD SEALING OF METALLIC PIPES.

DRYING

At room temperature in 48 hours. Film properties greatly improve upon baking at 120-130 °C for 6 minutes in an air circulatory oven. (ASTM D-1640)

DILUENT/CLEANER

Normal tap water up to 5%, if most essential. Can be cleaned with water while wet. Dried film can be de-bonded with S.M.T.(White Spirit) or Methylated Spirit.

PACKING & DELIVERY

1.0 Kg. Pail, 4.5 & 18 Kgs. Bucket from ready stock.

STORAGE/SHELF LIFE

18 months when stored in air tight container below 25 °C.

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Important Notice:

The information submitted in this leaflet is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments, neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislations are observed.