


PRODUCT DATA

- 2043 THERMAL DUCT SEAL COAT (HVACR THERMAL INSULATION PROTECTIVE ADHESIVE)

INTRODUCTION

 - 2043 THERMAL DUCT SEAL COAT is a viscous water based air drying protective coating adhesive blended from essential polymers & rubber designed to provide air tight, vapor barrier, water & oil proof, weather & thermal resistant and insulating properties. It has excellent adhesion on metals, plastics, polystyrene, cloth/canvas cloth and wooden surfaces. On perfect drying the gaskety layer so formed behaves as tough, washable, water & oil proof, abrasion/fungus resistant, non-cracking and resistant to solvent, dilute acids or alkali attacks. This is an ideal VAPOUR BARRIER & THERMAL INSULANT PROTECTIVE COATING.

SPECIFICATION

COLOR

White/Cream. Other colors on demand.

CONSISTENCEY/SOLID CONTENTS

High viscosity liquid (ASTM-D-2507). Average 57% solids W/V \pm 1 (ASTM D-1644).

DENSITY

Average Weight 1.28 Kg./Ltr. (ASTM D-1475-85)

COVERAGE

30 Ft² (3.7 M²)/ kg. in uniformly thick layer. (FSTM-72)

SERVICE TEMPERATURE

Useable between -15 to 85 °C.


TEMPERATURE RESISTANCE

Temperature resistance up to 160 °C (FSTM-70).

DRYING

Air drying, set to touch in 1 hour. & complete dry in 24 hours. Test to conduct after 48 hours. (ASTM D-1640)

WATER VAPOUR PERMEANCE

For perfectly dried film of two uniformly thick coats with 8 Oz Canvas Cloth between (0.04") : 1 perm. Water vapor transmission through 1" of impermeable insulation 12"x18" block joints with  -2043 is too negligible to be recorded. (ASTM E-398)

APPLICATION & USAGES

-2043 THERMAL DUCT SEAL COAT

is specially formulated for HVACR applications such as cementing laps of Canvas or Asbestos or lagging cloth and other thermal insulation materials. It provides better protective finish on glass/canvas cloth used A/C ducts, hot or cold water piping. It is perfectly safe for areas where continuous relative humidity exceeding 80% or where the insulated piping/equipment contains chilled/icy water, brine or refrigerant for vapor barrier protection requirements. It is compatible and safe for application on expanded polystyrene, polyurethane foam and other plastic insulation as sealing coat for protection. The coated surfaces are not affected by saline/salty water environment and sub-soil water preventing rusting & corrosion of the jacketed parts. Two coats with suitable interval is sufficient to protect the coated surfaces from harsh climatic effects.

BEHAVIOUR/SAFETY

- Non-toxic, non-flammable, non-corrosive and non-fungal. Perfectly safe in handling & to body contact.
- The dried/cured film or gaskety seal so formed behaves as vapor barrier, hot and cold water, oil & solvent proof, weather resistant, fungus/mildew resistant, flexible & non cracking, resistant to acids/alkali, U/V light, weather & gases. (ASTM D-3278)

SURFACE FLAME SPREAD (DRY)

Flame spread 2.5:1/4" (6.4 mm) inorganic reinforced cement board. Fuel contributed: 0 (ASTM E-84)

DILUENT/CLEANER

Normal potable water if most essential dilute up to 5% only. While wet clean with water & after drying can be debonded by S.M.T. (White Spirit).

PACKING

5 Kg. Bucket, 50, 160 Kg. Metal/Plastic Drum.

STORAGE/SHELF LIFE

Store at well ventilated & cool atmosphere in air tight container. Use within 18 months from manufacturing date.

DELIVERY

Prompt from ready stock.

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.

Revised 15.12.2016