MechmaarK

AN ISO 9001:2008 COMPANY

MECHDUCT ADHESIVE

MECHDUCT APPLICATION AREAS:

Products	MECHDUCT				
	HVAC Duct	Chilled Water Pipe	Underdeck / Overdeck Insulation	Wall & Roof	Acoustic Lining
Glass Wool	√	√	√	√	√
Rock Wool	√	√	√	√	√
Nitrile Rubber	√	√	√	√	√
XLPE	√	√	√	√	√
EPS					
PUF	√	√	√	√	√
EPDM	√	√	√	√	√
PIR					
Phenolic Foam					

Note: Please refer the respective adhesive TDS for detailed information.

PRODUCT DESCRIPTION:

MECHDUCT is a Rubber based adhesive specially made to paste (closed cell/open cell) insulation material in HVAC & Refrigeration industry.

MECH DUCT is recommended to paste Nitrile Rubber, XLPE and Glass wool with GI Metal or Aluminium duct surface for Duct insulation, Chilled Water Pipes, and Under deck / Over deck in various industrial & residential projects.

APPLICATION AREAS:

Metal Duct (GI Duct) - To pasteclosed cell insulations such as Nitrile Rubber, XLPE, Physically Crosslinked insulation Thermo cole (EPS), XPS, Glass Wool/Rock Wool, PUF to Duct surface.

Chilled Water piping - To paste closed cell insulations such as Nitrile Rubber, XLPE, Physically Crosslinked insulation Thermo cole, XPS, Glass Wool/Rock Wool, PUF to MS Pipe

Acoustic Insulation - To paste closed cell Nitrile Rubber to Concrete walls, Vertical surfaces & Duct lining.

Under deck/Over deck Insulation - To paste Nitrile Rubber, XLPE, Glass Wool/Rock Wool, PUF to smooth Concrete wall surface (Mechanical fasteners are recommended for under deck insulation).

BENEFITS:

- Adhesive exclusively made for Ducting and Chilled Water Piping.
- Maximum coverage & hence low adhesive quantity required.
- One adhesive for multiple applications.
- Mild smell ensures the applicators and users safety.
- Very good Adhesion and Tack

METHOD OF APPLICATION:

- The surface should be well cleaned of any particles (dust etc), it should be free from Moisture, Rust or any type of oil etc.
- Stir the adhesive well before use to have a homogeneous material prior to application is done.
- Apply MECHDUCT on both the sides of insulation using spreader / brush. First on Non porous Surface & then on porous surface.
- Allow solvent to evaporate for 15 to 20 minutes, so that the surface becomes dry and tacky. Time of solvent is to dry is depend on the ambient temperature and RH, which is called tack time for different materials.
- Once the adhesive is dry (when tack is developed), push both the surface together ensuring uniform contact, so that there should not be any air pockets formed.
- Cure for 24 hours at ambient temperature.
- Clean all the tools with toluene/aromatic solvent.

PRECAUTIONS & LIMITATIONS:

Keep the container closed when not in use. The adhesive contains flammable solvents, so precautions are required in storing. Care to be taken so that Adhesive or vapor from the adhesive will not come in contact with any fire spots, naked flames or welding area on shop floor/work site. MSDS is available on request.

SPECIFICTECHNICAL DATA:

Appearance/ Visibility	Viscosity At 30° ±1°C	Temp. Resistance	Specific Gravity@30° ±1°C	Coverage by spreader (m2)
Light Yellow Liquid	8-15 poise	-20°C to 85°C	0.83 to 0.90	6 m2 / litre / coat

(Under identical lab test conditions at ambient, on smooth nonporous surface with single side application)

SHELF LIFE & STORAGE:

Best before12 months from the date of manufacture & when stored in a dry and cool place in the original unopened Container (Recommended Storage temperature: 20-30^{0}C).

PACKING:

5 LTR and 25 LTR

(Due to continuous product improvements, the data mentioned in this catalogue herein, supersedes all earlier versions and, subject to change without prior intimation/information).

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