Hira Industries LLC
PO Box. 9013, R.A.K.
United Arab Emirates
T +971 7 258 9006
F +971 7 258 9008
E enquiry@rhira.com

Technical Data Sheet

DIAMOND ALUGLASS TAPE - FR GRADE

Product Description: Diamond Aluglass Tape comprises of a high tensile strength aluminum foil – glass fiber cloth backing, combined with a high performance flame-retardant solvent acrylic adhesive, protected by an easy release - silicon release paper.

Backing	Adhesive	Color	Release Paper
FR Grade Class 0 Aluminum – Glass Fiber Cloth	Flame Retardant Solvent Acrylic Adhesive	Shiny Silver	White



Features:

- Aluminum – Glass Fiber Cloth backing provides a strong reinforcement and an excellent reflection of both heat and light. Low moisture content of these tapes makes it a good sealant.
- The aggressive solvent based adhesive offers long service life in outdoor as well as high humid atmosphere.
- It provides an excellent vapor barrier due to low moisture vapor transmission rate.
- High strength solvent base adhesive with strong adhesion and holding power offers reliable and durable joints and seams sealing in industrial pipe thermal insulation application.

Applications:

- Duct board joint & seams joining and sealing industrial pipe insulation.
- Lamination for air conditioning ducting systems.
- To join foil faced & rock wool.
- Roofing application like flashing, joints and insulations.
- Duct sealing and joining for refrigerator and excellent barrier to vapor.
- General purpose holding, patching sealing applications for indoor and outdoor.

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Product Specifications:

Properties	Unit	Specification	Test Method
Backing Thickness	Microns	100 ± 5 micron	ASTM - D3652
Total Thickness	Microns	140 ± 5 micron	ASTM - D3652
Adhesion To Steel	g/inch	> 1500	ASTM - D3330
Tensile Strength	g/inch	> 2500	ASTM - D3759
Elongation at Break	%	5	ASTM - D3759
Shear Test	Hrs	> 96	ASTM – D3654
Roll Ball Tack	mm	< 120	ASTM – D3121
Temperature range	NA	-30 to +120	Lab Test
Fire Rating	NA	Class 0	BS 476 Part 6 & 7

Product Packaging:

Width (mm)	Length (Yds)	Rolls/Box
48	25 / 30	24
72	25 / 30	16
96	25 / 30	12

Note: The above mentioned sizes are standard sizes. Custom sizes available on request.

Application Instructions:

Before application the surface must be free from oil and dust. For the best performance, apply the tapes at room temperature between 15°C and 45°C.

Storage:

Storage should be under normal room temperature and 50% RH in the original packing.

Shelf Life:

Use within 12 months from the date of manufacturing.

Information on the above characteristics is based upon the tests we believe to be reliable. The values given are typical values that vary according to application conditions; however, it is essential that customers always evaluate the product under their conditions before large-scale use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the suitability for a particular use or purpose are made.