

ALPHA Flexible Duct



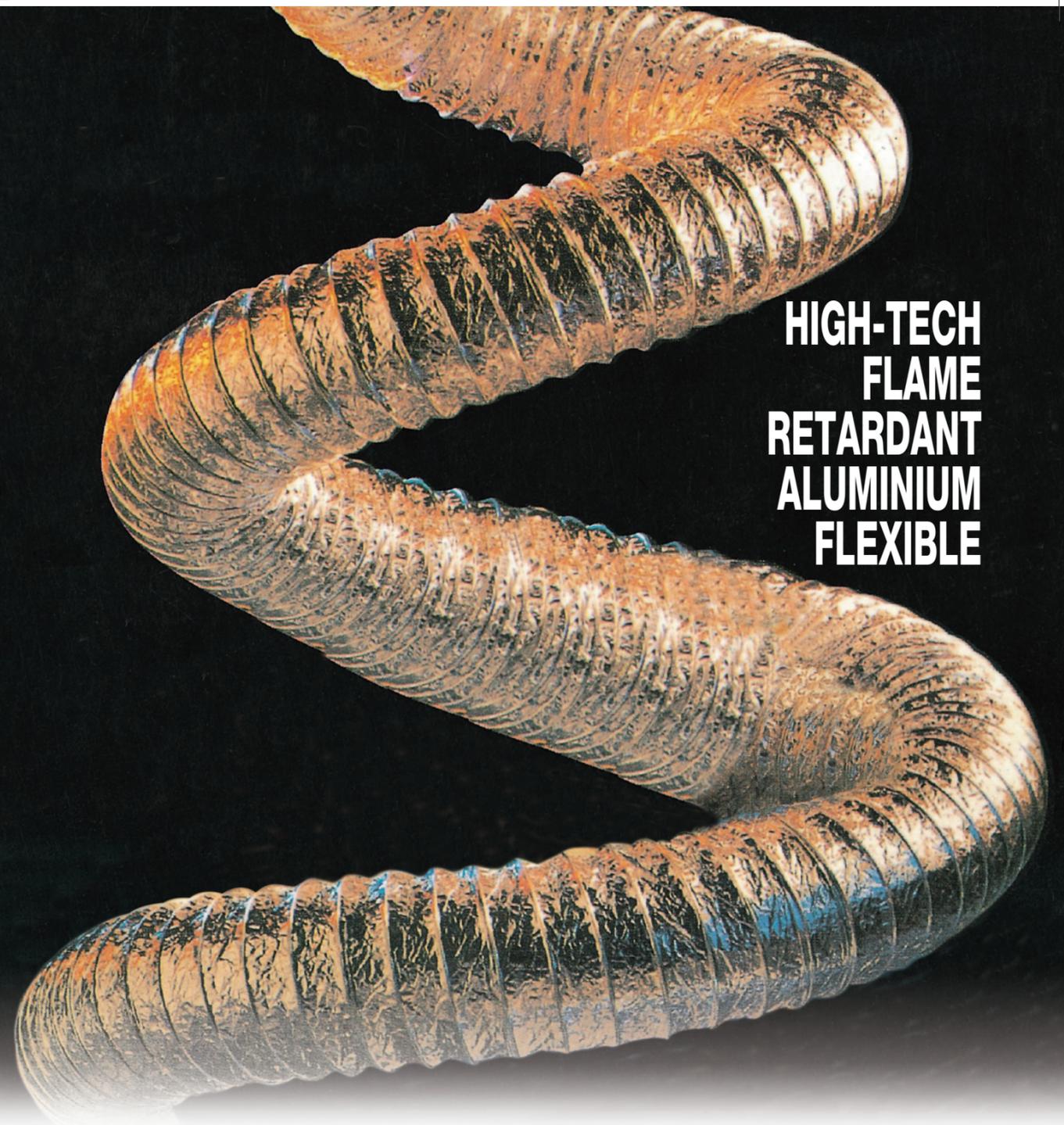
WK-E / WK-F

Description: Flexible duct made of tough aluminium laminate encapsulating a high tensile spring steel wire helix. It has high elasticity and flexibility. Oval, circular and rectangular connectors are easy to install.

Application: FLEXDUCT are suitable for low to high pressure air conditioning and ventilation systems, especially ideal for air-conditioning systems and air-connector.

Main Characteristics: Standard Length: 10 Metres
Packaging: Individual Carton Boxes
Fire Resistance:
Difficult Flammability Class B1 (8624)
Temperature Range: -30~+140°C
Max. Air Velocity: 30 m/s.
Max. Working Pressure: 2500Pa
Specification: on request

**HIGH-TECH
FLAME
RETARDANT
ALUMINIUM
FLEXIBLE**



Marketed by:
Alpha Star TRADING

Dubai, UAE:
P.O. Box 80955, 368-611, Al Quoz, Third Interchange
Tel: 971 4 3307263 Fax: 971 4 3306242 Email: astartrd@eim.ae

UK Office: Tel: 020 8552 4105, Fax: 020 8552 8865. 314, High Street North,
Manor Park, London E12 6SA. Email: exportsales@fsmail.net

Abu Dhabi, UAE:
Muroor Road,
Next to Red Crescent Bldg
Tel: 971 2 6417599
Fax: 971 2 6418511
Email: astarauh@eim.ae

Doha, Qatar:
Salwa Road,
Ain Khalid Roundabout
Tel: 974 4582128
Fax: 974 4501270
Email: alphastar@qatar.net.qa

Salmabad, Kingdom of Bahrain:
Shop No.56, Bldg.60
Salmabad Avenue, Salmabad-702
Tel: 973 1778 3285
Fax: 973 1778 3026

Chennai, India:
M/s Alpha Star Trading (P) Ltd.
#145 (old #77), Ground Floor
Perambur Barrecks Road
Vepary, Chennai - 600 007
Telefax: +91 44 42822367
Email: fareed@alphastarindia.com

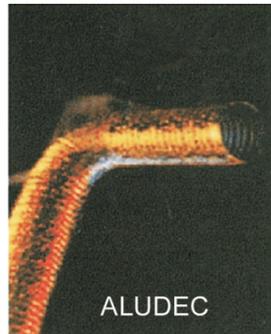
ALPHA Flexible Duct

ALPHA

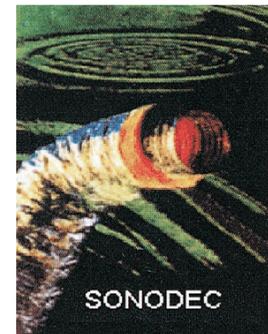
Flexible Duct

ALPHA

Flexible Duct



- WK-A / WK-B**
- Description:** Non-insulated aluminum flexible air ducts are produced from one or two layer aluminium strengthened with high tension hard steel spring wire.
- Application:** Non-insulated aluminum flexible air ducts are specifically produced for heating, cooling, ventilation, exhaust and air-conditioning systems under low and medium pressure.
- Main Characteristics:** Standard Length: 10 Metres
Packaging: Individual Carton Boxes
Fire Resistance:
Difficult Flammability Class B1 (8624)
Diameter Range: 52-610mm
Temperature Range: -30~+140°C
Max. Air Velocity: 30 m/s.
Max. Working Pressure: 2500Pa



- WK-D**
- Description:** Acoustic insulated flexible duct made of a micro perforated thermaflex inner wall, supporting 50 mm thick 24 kg/m3 fiberglass insulation sheathed in a reinforced aluminium/polyester laminate jacket acting as a vapour barrier. And it is the perfect combination of very high sound absorption and excellent thermal insulation.
- Application:** Acoustic and thermal insulation for low and medium pressure ventilation and air conditioning systems.
- Main Characteristics:** Standard Length: 10 Metres
Packaging: Individual Carton Boxes
Fire Resistance:
Difficult Flammability Class B1 (8624)
Diameter Range: 52~508mm
Temperature Range: -30~+140°C
Max. Air Velocity: 30 m/s.
Max. Working Pressure: 2000Pa



- WK-C**
- Description:** Insulated flexible duct made of a thermaflex inner wall, supporting 25 mm thick 16 kg/m3 fiberglass insulation, sheathed in a reinforced aluminium/ polyester laminate jacket acting as a vapour barrier.
- Application:** Designed for low, medium and high pressure ventilation and air conditioning systems, to help reduce condensation and heat loss.
- Main Characteristics:** Standard Length: 10 Metres
Packaging: Individual Carton Boxes
Fire Resistance:
Flammability Difficult Class B1 (8624)
Diameter Range: 52-610 mm
Temperature Range: -30~+140°C
Max. Air Velocity: 30m/s.
Max. Working Pressure: 2500Pa
Density: 20~32kg/m3
Thickness: 25~50mm
Conductivity Factor: 0.034W/mK
Oxygen Index: 85

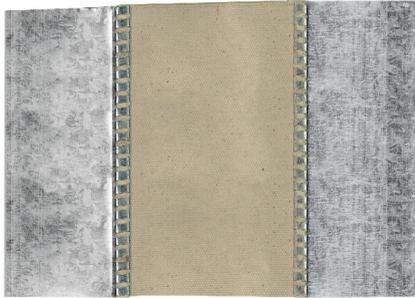


- WK-G**
- Description:** COMBIDEC is produced from multi layer aluminium strengthened with high tension steel spring wire, covered with non-flammable PVC jacket. An important aspect of COMBIDEC is its non-condensation property.
- Application:** Combined flexible air ducts are specially produced for heating, cooling, ventilation, air-conditioning, exhaust and dust collection systems under low and medium pressure.
- Main Characteristics:** Standard Length: 10 Metres
Packaging: Individual Carton Boxes
Fire Resistance:
Difficult Flammability Class B1 (8624)
Diameter Range: 52~610mm
Temperature Range: -30~+140°C
Max. Air Velocity: 30 m/s.
Max. Working Pressure: 2500Pa

ALPHA

Flexible Duct Connector

The flexible duct connector is the very best manufactured flexible duct connector available. Made for industrial, commercial, and residential application. Available in a variety of special fabrics and two gauges of prime galvanized steel.



WKT

FIRE-RESISTANCE CONNECTOR

Description: It consists of a strong, woven fiberglass fabric, coated on both sides with a compounded aluminum foil. It is supplied in 30m (100ft) coils of fabric joined on both sides to galvanized steel, or as a fabric only for special applications.

Application: Ideal for anywhere a flexible duct connector is needed, particularly where the risk of fire is concerned.

Specification: Base Fabric: Woven Fiberglass
Thickness: 2.0mm
Working Pressure: $\geq 5\text{KPa}$
Width: 250, 300, 350, 400mm



WKY

SILICONE CONNECTOR

Description: It is a specially developed fiberglass fabric, coated on both sides with silicone rubber. It incorporates a very broad temperature range with outstanding resistance to weathering, aging, the effects of sunlight, and a wide variety of chemicals. It is supplied in 30m (100ft) coils of fabric joined on both sides to galvanized steel, or as a fabric only for special applications.

Application: It's particularly suited to those applications exposed to higher temperatures, or where the risk of fire is concerned.

Specification: Base Fabric: Woven Fiberglass
Coating: Silicone Rubber
Thickness: 1.5mm
Working Temperature: $-70\text{ }^{\circ}\text{C} \sim 300\text{ }^{\circ}\text{C}$
Working Pressure: $\geq 10\text{KPa}$
Width: 250, 300, 350, 400mm



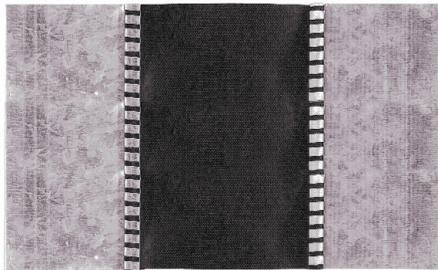
WKF

FLUORO-RESIN CONNECTOR

Description: It has a base fabric of woven fiberglass which is coated with a specially fluorine rubber. It is supplied in 30m (100ft) coils of fabric joined on both sides to galvanized steel, or as a fabric only for special applications.

Application: It is specially suited for use in high-pressure and high-velocity duct systems, and where exposed to toxic fumes or adverse atmospheric conditions.

Specification: Base Fabric: Woven Fiberglass
Coating: Fluorine Rubber
Thickness: 1.0mm
Working Temperature: $-70\text{ }^{\circ}\text{C} \sim 400\text{ }^{\circ}\text{C}$
Working Pressure: $\geq 5\text{KPa}$
Width: 250, 300, 350, 400mm



WKP

RUBBER CONNECTOR

Description: It consists of a strong, woven fiberglass fabric, coated on both sides with a specially compounded synthetic rubber. It is supplied in 30m (100ft) coils of fabric joined on both sides to galvanized steel, or as a fabric only for special applications.

Application: It's well suited for flexible connections on outdoor air handling units and ducts, as well as in medium and high velocity ventilating, air conditioning and heating systems.

Specification: Base Fabric: Woven Fiberglass
Coating: Synthetic Rubber (Black PVC or Grey PVC)
Thickness: 0.5 ~ 1mm
Working Temperature: -30 °C ~ 70 °C
Working Pressure: ≥3KPa
Width: 250, 300, 350, 400mm



WKD

CANVAS CONNECTOR

Description: It is a sturdy woven fabric, heavily coated on both sides with canvas. It is supplied in 30m (100ft) coils of fabric joined on both sides to galvanized steel, or as a fabric only for special applications.

Application: It is an inexpensive material which may be used with confidence and ventilating systems on both warm and cool sides of duct.

Specification: Base Fabric: Woven Fiberglass
Coating: White Canvas or Black Canvas
Thickness: 1.0 ~ 2.0mm
Working Temperature: Normal Temperature
Working Pressure: ≥2Pa
Width: 250, 300, 350, 400mm



Marketed by:

Alpha Star TRADING

Dubai, UAE:

P.O. Box 80955, 368-611, Al Quoz, Third Interchange
Tel: 971 4 3307263 Fax: 971 4 3306242 Email: astartrd@eim.ae

UK Office: Tel: 020 8552 4105, Fax: 020 8552 8865. 314, High Street North,
Manor Park, London E12 6SA. Email: exportsales@fsmail.net

Abu Dhabi, UAE:

Muroor Road,
Next to Red Crescent Bldg
Tel: 971 2 6417599
Fax: 971 2 6418511
Email: astarauh@eim.ae

Doha, Qatar:

Salwa Road,
Ain Khalid Roundabout
Tel: 974 4582128
Fax: 974 4501270
Email: alphastar@qatar.net.qa

Salmabad, Kingdom of Bahrain:

Shop No.56, Bldg.60
Salmabad Avenue, Salmabad-702
Tel: 973 1778 3285
Fax: 973 1778 3026

Chennai, India:

M/s Alpha Star Trading (P) Ltd.
#145 (old #77), Ground Floor
Perambur Barrecks Road
Vepary, Chennai - 600 007
Telefax: +91 44 42822367
Email: fareed@alphastarindia.com

ALPHA

Silicone Sealant



ALPHA 3200 Silicone Building Sealant

is a one part, neutral cure, architectural grade silicone sealant designed for multi-purpose weatherproof and waterproofing application. It has good gunnability even in extreme weather conditions and cures at room temperature by reaction with moisture in the air to produce a durable and flexible silicone rubber formulated to give superior adhesion. Good adhesion and sealing on metal lap joints in roofing, bonding wood joints, bonding of skirting boards of wood. Antifungal.

TYPICAL PROPERTIES

Specification Writers: Please contact your local Authorized Distributor or our Technical Services Department before writing specifications on this product. These values are not intended for use in preparing specifications.

Test Method	Test Parameter	Unit	Result	
			Translucent	Pigmented
As Supplied-Tested at 23 °C and 50% RH				
CTM 101	Specific Gravity		1.0	1.29
ISO 7390	Flow (sag or slump)	mm	0	0
ASTM C603	Extrusion Rate	ml/minute	360	338
CTM 004	Working Time	minute	5	30
CTM 001	Track-free Time	minute	10	55
CTM 003	Curing Speed, average	mm/day	1.5	1
As Cured-after 21 days at 23 °C and 50% RH				
ASTM C661	Durometer Hardness, shore A	Points	26	34
ISO 7389	Elastic Recovery	%	95	93
ISO 9047	Movement Capability	%	±25	±40
ISO 8339	Tensile / Modulus at 25% Elongation	MPa	0.25	0.28
	Tensile / Modulus at 50% Elongation	MPa	0.34	0.41
	Ultimate Elongation at Break	%	150	450
ASTM C510	Staining		None	None



ALPHA 268

is a general purpose acetic cure silicone sealant designed for general glazing applications. Adheres to glass, ceramic, fiberglass, non-oily wood and many non-porous building materials.

TECHNICAL PROPERTIES

Test Method	Test Parameter	Unit	Result
As Supplied - Tested at 23 °C and 50% RH			
CTM 101	Specific Gravity	g/ml	0.91± 0.02
ASTM C639	Flow (sag or slump)	mm	0
CTM 003	Curing speed average	mm / day	1~ 4
CTM 001	Skin Time	minute	≥3
CTM 004	Working Time	minute	2
As Cured At 23 °C and RH 50% for 14 days conditions			
ISO 7389	Elastic Recovery	%	> 85
ISO 8339	Tensile Strength	MPa	≥ 0.2
ISO 9047	Movement Capability	%	± 20



ALPHA 527

CAULK-N-SEAL LATEX ACRYLIC SEALANT

is a general purpose, water based latex acrylic sealant for caulking, sealing and decoration and has uses in waterproofing, gap filling, wood frame joints, doors & windows sash, drywall, plaster, marble, tile & brick works, painter's sealant for interior and exterior works.

TYPICAL PROPERTIES

Test Method	Test Parameter	Result
CTM101	Specific Gravity	1.60
GB/T13477	Tack-Free Time	11 min
GB/T13477	Flow, sag or slump	0 mm
CTM103	Extrusion Rate	210 ml/min
JC/T484	Initial water resistance	Eligibility
GB/T13477	Low temperature flex	-5°C
CTM301	Effects of accelerated weathering	No cracking, no discolorization
CTM204	Adhesion, average glass, cement mortar, wood, ceramic	Eligibility

SPECIFICATION: ALPHA 527 CAULK-N-SEAL LATEX ACRYLIC SEALANT meets or exceeds the test requirements of : ASTM C834

ASTM - American Society for Testing and Materials
 CTM - Corporate Test Method; copies of CTMs are available upon request.
 ISO - International Standardization Organization.



Marketed by:

Alpha Star TRADING

Dubai, UAE:

P.O. Box 80955, 368-611, Al Quoz, Third Interchange
 Tel: 971 4 3307263 Fax: 971 4 3306242 Email: astartrd@eim.ae

UK Office: Tel: 020 8552 4105, Fax: 020 8552 8865. 314, High Street North,
 Manor Park, London E12 6SA. Email: exportsales@fsmail.net

Abu Dhabi, UAE:

Muroor Road,
 Next to Red Crescent Bldg
 Tel: 971 2 6417599
 Fax: 971 2 6418511
 Email: astarauh@eim.ae

Doha, Qatar:

Salwa Road,
 Ain Khalid Roundabout
 Tel: 974 4582128
 Fax: 974 4501270
 Email: alphastar@qatar.net.qa

Salmabad, Kingdom of Bahrain:

Shop No.56, Bldg.60
 Salmabad Avenue, Salmabad-702
 Tel: 973 1778 3285
 Fax: 973 1778 3026

Chennai, India:

M/s Alpha Star Trading (P) Ltd.
 #145 (old #77), Ground Floor
 Perambur Barrecks Road
 Vepary, Chennai - 600 007
 Telefax: +91 44 42822367
 Email: fareed@alphastarindia.com