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Product Range



SINCE 1972

# Zahabiya

Chemical Industries



**Human Friendly & Environmentally Acceptable Products**

Range of **HVACR**  
Products





# Product Selector

The following chart will guide you in selecting the best product from our range of “Human Friendly & Environmentally Acceptable” time tested Adhesives, Sealants, Vapour Barrier & Water Proofing Coatings and other Compounds manufactured specifically for Heating, Ventilation, Air-Conditioning & Refrigeration (HVACR) related manufacturing and contracting.

		COATINGS					ADHESIVES			SEALANTS		
APPLICATIONS		Water Shield ZSAC-10/55	Water Shield (FR Grade) FRC 10/60	FlemeX FRX-10/65	Thermal Seal Coat 130/56	Transparent Sealer TS-141	Excel Bond (Special) ZGPA-7/223	High Tack Adhesive ZHTA-9/39	Latex Bond 160	Soft Seal Special ZSP-1191	Sealing Gum ZSG-12/99	Sealing Compound SC-13/63
Pasting / Bonding of	D3 Adhesive (Cold Waterproof)											
	D4 Adhesive (Hot/ Boiling Waterproof)											
	Wood, Chip/Hard Board etc.											
	Cloth/ Canvas											
	Glass Wool Insulation to Metal											
	PU Insulation to Metal											
	Rubber Foam											
	Extruded Polystyrene											
	Thermopore/ Styropore											
	Cloth Wrapping over Insulations											
	Glass Cloth/ Asbestos Cloth Wrap											
	Vapour Barrier Coating											
	Fire Retardant Coating											
	Waterproof Coating											
	Anti-Fungus Adhesive/ Coating											
	Rust Protection											
Seam Joint / Duct Sealant												
Removable Joint / Duct Sealant												
Air-Conditioners												
Refrigerator & Deep Freezer												



UN SUITABLE



SUITABLE



HIGHLY SUITABLE





## COATINGS

### Zahabiya WATER SHIELD ZSAC-10/55:

Zahabiya Water Shield ZSAC-10/55 is acrylic copolymers based ready to use waterproof & vapour barrier Liquid Membrane coating. In the HVAC industry, this "Human Friendly & Environmentally Acceptable" product finds many utilities such as coating over the lagging cloth for pasting various layers together; washable, vapour barrier & anti-fungus paint for the protection of cloth & duct jacket from the harmful atmospheric effects and as an adhesive & protective finish for thermal insulations on hot/ cold water pipe fittings, vessels and other process equipments. ZSAC-10/55 is the best coating to protect delicate insulating materials from UV and other environmental effects. Due to excellent waterproofing and vapour barrier properties the product can be safely used in areas where relative humidity exceeds 90% for continuous periods or where the insulated piping or equipment contains chilled water, brine or refrigerant.

- Hot/ cold water & oil proof.
- U/V & weather resistant.
- Vapour barrier & air/ gas tight.
- Non-toxic, non-flammable & non-corrosive.
- High elongation and tensile strength.
- Soft touch & abrasion resistant.
- "0" fungal growth (ASTM G21).
- Available in various colours.

### Zahabiya WATER SHIELD (FR GRADE) FRC-10/60:

Zahabiya Water Shield (FR Grade) FRC-10/60, previously called Flame Retardant Coat is co-polymeric, fire retardant & non-flammable protective coating, exceptionally suitable for the purpose of fire & weather protection of cellular or porous surfaces. Ideal for both indoor and exterior use for coating on cloth, timber, hard board, chip board, block works, concrete, metal and insulation sheets. FRC-10/60 is extensively used in HVAC as the fire retardant adhesive cum vapour barrier coating over the lagging cloth and as the exterior protective paint for the protection of cloth & duct jackets from the harmful atmospheric effects. It's high waterproofing and vapour barrier properties enables it to be used in areas where relative humidity exceeds 90% for long period.

- Rated VTM-0 for flame retardancy with flame spread of 0.8"/min (HB) as per UL-94.
- Water/ oil proof & vapour barrier.
- U/V, weather & temperature resistant.
- Flexible, non-cracking & abrasion resistant.
- Fungi, mildews & other micro-organisms resistant.

### Zahabiya FLAMEX FRX-10/65

Zahabiya FlameX FRX-10/65 is a high performance, intumescent flame retardant coating with excellent fire retardant properties. The coating can be applied on variety of substrates including wood, ply-wood, MDF sheets, concrete or plastered surfaces, steel reinforcements, gypsum & fibre boards etc. to render them flame retardant. FRX-10/65 swells up on the exposure to direct fire, creating a flame retardant barrier between the fire and the substrate, thereby reducing the reach of the flame to the substrate and propagate flame. This makes it excellent product to be used around openings where the duct passes through a wall, ceiling or MDF Partitions.

- Excellent Flame Retardancy.
- Rated VTM-0 as per UL 94.
- Practically "0" flame spread (UL 94 HB).
- Swells in contact with fire.
- Ideal for high fire risk cellulosic rigid materials.

### Zahabiya THERMAL SEAL COAT 130/56:

Zahabiya Thermal Seal Coat 130/56 is an economical, water-based polymeric adhesive & protective coating which provides good water proof, vapour barrier, thermally insulating & durable protective finish for insulations in HVAC applications in only 2 coats. The product can be used in many applications such as cementing laps of lagging cloth, asbestos and other thermal insulation materials; protective coating on cold or hot water pipe; coating on delicate plastic insulations to protect from harsh climatic effects etc. Safe for applications where relative humidity exceeds 80% or where the insulated pipe or equipment contains chilled water, brine or refrigerant due overall good resistance properties.

- Air/ gas tight, vapour barrier, water & oil proof.
- Tough, non-cracking & abrasion resistant.
- High U/V, weather and thermal resistance.
- Good adhesion on plastics, cloth, metal & wooden surfaces.
- Fungi, mold, algae etc. resistant.

For Details, Ple





## COATINGS

### Zahabiya TRANSPARENT SEALER TS-141:

Zahabiya Transparent Sealer TS-141 is a vinyl copolymer based solvent borne clear lacquer & sealer, usable for industrial & commercial sealing problems wherever neat & clean leakage repairing or surface protection is required. It quickly dries into a clear, strongly bonded glossy film and is especially useful for protecting metal surfaces (both ferrous and non-ferrous) from rust/ oxidation & filling and sanitary sealing pin holes, hairline cracks & minor leakage of liquids & oxidizing gases. It is also used to seal leakages from narrow seams and joints in Engineering and Metal Fabrication Industry.

- Excellent adhesion on ferrous and non-ferrous metals.
- High rust, oxidation and corrosion protection property.
- Water & oil proof.
- Temperature & weather resistant.
- Fair to acid & alkali attack.



## ADHESIVES

### Zahabiya EXCEL BOND ZGPA - 7/223:

Zahabiya Excel Bond ZGPA - 7/223 (Special) is water borne, rubber & acrylic co-polymer based air drying coating & bonding white adhesive with numerous applications. In HVACR field, it is effectively used for almost all the bonding, fixing, laminating, coating & sizing applications. Insulations such as styropore, glass-wool, polyurethane etc. can be very effectively bonded with this adhesive on metals, unaffected even by the relative humidity up to 90% for long spells. It is also used as an anti-fungus adhesive for pasting of glass cloth, asbestos cloth and other fabric coverings of thermal insulations. The bond attained is waterproof, unaffected with weather/ climatic changes and resistant to fungal growth. The product being water based is perfectly safe in handling and therefore very safely and effectively replaces conventional solvent based toxic & flammable adhesives.

- Starch free.
- Hot & cold waterproof (D3).
- Weather resistant.
- Mildew, fungi and micro-organism resistant.
- Non-flammable & non-toxic.
- Temperature resistance from -10°C to 90°C.

### Zahabiya HIGH TACK ADHESIVE HTA-9/39:

Zahabiya High Tack Adhesive HTA-9/39 is a fast drying synthetic rubber based solvent borne contact adhesive, formulated for bonding different types of thermal insulations to sheet metals such as galvanized steel or aluminum HVAC ducts. Its fast drying and high initial (green) adhesive/ tack permits immediate bonding & pasting within 20 minutes of application. The bond so achieved is water proof, flexible & non-cracking when exposed to atmospheric conditions.

- Water proof and weather resistant bond.
- Excellent bond on variety of substrates including insulation foams.
- Permits quick assembly of bonded surfaces.

### Zahabiya LATEX BOND 160:

Zahabiya Latex Bond 160 is co-polymeric, water borne, flexible & non-staining adhesive used for insulation attachment in Central Air-Conditioning & Ducting Jobs and other such applications where non-flammable adhesives are preferred for safety reasons. Zahabiya Latex Bond 160 is a safe, non-flammable & non-toxic adhesive with numerous applications including insulation attachments, canvas pasting, protective coat for sensitive insulations etc. thus perfectly replacing the conventional rubber/solvent based adhesives which are hazardous and toxic in nature.

- Cold/ hot/ boiling water proof D4 adhesive.
- U/V and weather resistant.
- Ever flexible and non-cracking.
- Resists temperatures from -10°C to 100°C.
- Fungi, Mold & Algae resistant.
- Excellent non-ageing properties.





## SEALANTS

### Zahabiya SOFT SEAL SPECIAL ZSP-1191:

Zahabiya Soft Seal Special ZSP-1191 is a mastic & caulking sealant which forms a soft gasket seal on self-curing. For all applications where a vapour barrier, air / gas tight, water & oil proof, weather resistant and non-cracking sealant is required, this product is the perfect answer. It is an ideal & non-toxic *DUCT SEALANT* for HVAC Ducting System, for both high or low velocity ducts & meets the requirements of H & Vac. Sec. DW / 141 (Adhesion), B.S. 476 (Part-7) class "I" and Class "O" Tests, B.S. 476 (Part-6). ZSP-1191 has very good adhesion with metallic surfaces, plastics, glass, polyurethane foams, thermopore sheets, glass wool insulation etc. It is the best replacement of traditional toxic silicon sealants & can be used in closed environment without emitting any bad odour or toxic fumes. The product is safe in handling and use, being "Human Friendly / Environmentally Acceptable".

- Non-cracking, ever soft and flexible sealant.
- Cold/ hot water proof; oil & solvent proof.
- Vapour barrier & air / gas tight.
- Resists temperature from -40°C to 200°C.
- Fungi, mildew and micro-organism resistant.
- U/V & weather resistant.
- Can be painted over.

### Zahabiya SEALING GUM ZSG-12/99:

Zahabiya Sealing Gum ZSG-12/99 is a sticky textured, flexible & non-hardening elastomeric sealant/ putty possessing high cohesion, tack, elongation and excellent non-ageing properties. As a Duct Sealant in Central Air-Conditioning (HVAC), it is used during installation and maintenance as a water tight, air/gas tight, vapour barrier, weather resistant & non-cracking soft seal with very good adhesion on various surfaces. At all such special jobs & places where removable elastic insulating sealant is needed, the product is ideal. Being satisfactorily used in Air Conditioners, Refrigerators & Deep Freezers manufacturing since last 40 years as elastic putty, ZSG-12/99 is also used for sealing laps/ seams in mechanical sheet metal fabrication and sealing the expansion joints in Air Conditioning Ducts (Medium and High Velocity).

- Water & oil proof.
- Gas tight and vapour barrier.
- Ever-flexible and non-hardening.
- More than 800% elongation.
- U/V, ozone & weather resistant.
- Non-magnetic & non-conductor of electricity
- Non-toxic and safe in handling.

### Zahabiya SEALING COMPOUND SC-13/63:

Zahabiya Sealing Compound ZSC-13/63 (Seam Sealer) is an air-drying high viscosity adhesive sealant with excellent vapour barrier, water/ oil proof & air tight properties. It is an excellent sealant & caulking compound with good adhesion on metals, plastics, and other surfaces. Effective at all such places where leakage free seams & joints are needed or the bonded surfaces are in continuous contact with oily or water based products. Also used in HVACR & Engineering applications at metallic seam joints, as an economical sealant; it adheres, insulates and protects the metallic pipes from rust & corrosion, replacing the use of PVC tape for under-ground or weather exposed jobs as a seamless, economical & water resistant coating.

- Water & oil proof.
- Diesel, fuel, acid & alkali resistant.
- U/V & weather resistant.
- Vapour barrier & air tight.
- Non-corrosive & non-toxic.
- Excellent bond on both ferrous and non-ferrous metals.
- Safe from -20°C to 190°C intermittent temperatures.



## ABOUT US....



Zahabiya Chemical Industries, Karachi Export Processing Zone, is acknowledged being the renowned Manufacturer & Exporter of Construction, HVACR, Engineering, Automobile and Packaging related Adhesives, Sealants, Water Proofing & Weather Protective Coatings and Compounds, fulfilling 21st century's International Standards of Non-Toxic, Non-Hazardous and **"Human Friendly & Environmentally Acceptable"** Products.

The wide range of time-tested products offered are backed with the professional experience since 1972, specifically manufactured under the quality management system of **ISO 9001:2008** to give best quality products to the customers. Zahabiya, being purely Pakistani in origin and the pioneer in its field in Pakistan, is continuously providing cost effective, quality products and solutions to its esteemed customers throughout Pakistan as well as abroad in various fields including Heating, Ventilation, Air-Conditioning and Refrigeration related industries & contractors.

With continuous R&D and adaption to new emerging technologies, Zahabiya has always tried to indigenously develop the products which are least detrimental to the environment. Due to good market acceptability, brand recognition and economical prices, Zahabiya has been awarded **"Brands of the Year Award"** for consecutive four years (2009 to 2012) under Specialty and Construction Chemicals. It is also proudly registered with E-n-C's Branch, Military Engineering Services, Pakistan Armed Forces which again testifies its products "Quality and Reliability".

Zahabiya is proud to be the only Pakistan based industry who is manufacturing such a wide range of adhesives, sealants, coatings and other related products for HVAC sector as well as Air-Conditioners and Refrigerators manufacturing industries. These products include:

### -----RANGE OF HVACR PRODUCTS-----

- Non-Toxic & Non-Flammable Insulation & Lagging Cloth Adhesives.
- High & Low Velocity Duct Sealants.
- Insulating & Vibration Damping Sealants.
- Anti-Fungus & Vapour Barrier Lagging Adhesives & Coatings.
- Water Proof & Weather Resistant Coatings.
- Flame Retardant Coatings.
- Oxidation & Rust Protective Coatings.
- Seam Joint Sealants.



ISO 9001:2008  
Certified Company



Registered with  
E-n-C's Branch  
MES, Pakistan Army



Lifetime Fellow  
Pakistan HVACR Society



Winning Consecutively  
From 2009 To 2012

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