X CHEM

Excellence In Chemicals

Bonding Together

PRODUCT CATALOGUE

HVAC - COATING, ADHESIVE & SEALANTS



Established in 2010

Highly adaptive plant with bulk Production Capacity

Leading manufacturer of Adhesives, Coatings & Speciality Products

Internationally Recognized Certification

Highly Advanced Technical Support

Capable of making Tailor made products as per customer demand

What guides us?



VISION:

To make XCHEM a global leader in adhesives, coatings and speciality products, that best understand and satisfies the customer needs.

MISSION:

DISCOVER, DEVELOP & DELIVER the most excellent products and services to consumers and industry.



Technical Service & Support

XCHEM has a state of the art R&D and testing laboratories where we have highly qualified staff that are able to help our customers with their development needs.



At XCHEM we are able to

* Develop new products
* Test applications in the laboratory for the end user
* Modify existing products so that they are tailored to a specific need
* Quality control of product scale up to commercial status
* Provide and test formulations
* Develop TDS and MSDS



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Nature of Business

Raw Materials



- ✓ Polymer
- ✓ Rubber
- ✓ Resins
- ✓ Additives

Production and R & D



- ✓ Coatings
- ✓ Adhesives
- ✓ Varnishes
- ✓ Degreasers

Business Unit



- ✓ HVAC
- ✓ Adhesive
- ✓ Water Proofing
- ✓ Speciality

- XCHEM is involved in manufacturing of various kinds of Adhesives, Coatings and other speciality products which have huge demand in the region under its own brand and tolling for other reputed form.
- Raw Materials are purchased from the various suppliers, located locally & aboard and converted to finished goods.
- Finished goods are packed in various packing's as per customer demand.

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Magik 3036

UL Classified HVAC Duct Insulation Coating.

Benefits:

Highly Thermal Resistance
Excellent Adhesion & Bonding
ASTM E84 / UL723 Classified , Flame:0 & Smoke :0
Meets MIL –A -3316C , Class 1 , Grade A
Meets LEED IEQ4.2, Low Emitting Material ; VOC: <1g/ltr.
Fire Resistance, Non Toxic & Weather Resistant
High Compatible with Insulation Fiber & Fabric
Water Based, washable, & High UV Resistant

Recommended uses:

It is used as lagging adhesive for providing protective finish on ducts and piping along with fabric reinforcement in between. It can be used both indoor and outdoor. It can be used on the edges & joints of Fibrous Duct liner insulation for sealing and preventing air erosion. It is highly recommended on polystyrene & polyurethane foam insulations.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Plastic Bucket	1	36
5 Kg	Plastic Bucket	4	120

Technical Parameters:

Specific Gravity:	1.35 +/-0.15 kg/ltr
Solid:	62 % +/- 2 %
Wet Flammability	No Flash (> 150°C)
Drying Time :	Touch : 2-3 Hrs, full : 15-17 hrs
Coverage:	1.0 – 1.8 m^2/Ltr @ wet film (1.0-0.5 mm) per coat
Service Temperature	-20°C to 100°C
Water Permeability :	0.4-1.2 perms



Magik 3036 AF

UL Classified Anti-Fungal HVAC Duct Insulation Coating.

Benefits:

Highly Fungal Resistance , Rating : 0
Excellent Adhesion & Bonding
ASTM E84 / UL723 Classified , Flame:0 & Smoke :0
Meets MIL –A -3316C , Class 1 , Grade A
Meets LEED IEQ4.2, Low Emitting Material ; VOC: <12g/ltr.
Fire Resistance, Non Toxic & Weather Resistant
High Compatible with Insulation Fiber & Fabric
Water Based, washable, & High UV Resistant

Recommended uses:

It is used both indoor and outdoor as protective coating for use over thermal insulation in areas of high humidity and high temperature. Its specially formulated to prevent & resist mold , fungus and mildew growth over the surface It can be used on the edges & joints of Fibrous Duct liner insulation for sealing and preventing air erosion. It provided protective finish over insulations over ducts & pipes. It is highly recommended on polystyrene & polyurethane foam insulations.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Plastic Bucket	1	36
5 Kg	Plastic Bucket	4	120

Technical Parameters:

Specific Gravity:	1.35 +/-0.15 kg/ltr
Solid:	63 % +/- 2 %
Wet Flammability	No Flash (> 150°C)
Drying Time :	Touch : 2-3 Hrs , full : 15-17 hrs
Coverage:	1.0 – 1.7 m^2/Ltr @ wet film (1.0-0.5 mm) per coat
Service Temperature	-20°C to 100°C
Water Permeability :	0.4-1.3 perms



Magik VB 95

UL Classified HVAC Vapor Barrier Coating

Benefits:

Highly Solid , weatherproof & Water Resistant
Excellent Adhesion & Bonding
ASTM E84 / UL723 Classified , Flame:0 & Smoke :0
Meets MIL –A -3316C , Class 1 , Grade A
Meets LEED IEQ4.2, Low Emitting Material ; VOC: <12g/ltr.
Fire Resistance, Non Toxic , Fungal Resistant
High Compatible with Insulation Fiber & Fabric
Water Based, washable, & High UV Resistant

Recommended uses:

It is used as high solid vapor barrier finish for most types of thermal insulations. It is generally used in highly humid environment. It can be used both indoors and outdoors over insulation on pipes ,vessels & ducts. It is ideal for vapor sealing ASJ, FRK, & FSK Jacket etc. It acts as an excellent duct closure sealants.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Plastic Bucket	1	36
5 Kg	Plastic Bucket	4	120

Technical Parameters:

Specific Gravity:	1.40 +/-0.10 kg/ltr
Solid:	72 % +/- 2 %
Wet Flammability	No Flash (> 150°C)
Drying Time :	Touch : 2-3 Hrs , full : 15-17 hrs
Coverage:	1.0 – 1.6 m^2/Ltr @ wet film (1.0-0.5 mm) per coat
Service Temperature	-30°C to 110°C
Water Permeability :	0.013 +/- 0.004 perms 0.08 +/- 0.004 perms







Magik 6095

UL Classified HVAC Vapor Barrier (MASTIC) Coating.

Benefits:
Highly Solid , weatherproof & Water Resistant
Latex rubberized
Excellent Adhesion & Bonding
ASTM E84 / UL723 Classified , Flame:0 & Smoke :0
Meets MIL –A -3316C , Class 1 , Grade A
Fire Resistance, Non Toxic , Fungal Resistant
High Compatible with Insulation Fiber & Fabric
Water Based, washable, & High UV Resistan

Recommended uses:
It is used as high solid vapor barrier finish for most types of thermal insulations. It is generally used in highly humid environment. It can be used both indoors and outdoors over insulation on pipes ,vessels & ducts. It is ideal for vapor sealing ASJ, FRK, & FSK Jacket etc. It acts as an excellent duct closure sealants. It is an ideal product for flexible cellular,insulation tubing and sheets

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Plastic Bucket	1	36
5 Kg	Plastic Bucket	4	120

Technical Parameters:

Specific Gravity:	1.30 +/-0.15 kg/ltr
Solid :	66 % +/- 3 %
Wet Flammability	No Flash (> 150°C)
Drying Time :	Touch : 2-3 Hrs , full : 15-17 hrs
Coverage:	0.7 – 1.3 m^2/Ltr @ wet film (1.0-0.5 mm) per coat
Service Temperature	-50°C to 120°C
Water Permeability :	0.05 perms

Magik 8560

UL Classified Water Based Quick Tack Duct Adhesive

Benefits:
High tack and quick setting
Adhesive is a solvent free synthetic elastomer emulsion.
Excellent Adhesion & Peel off Strength
ASTM E84 / UL723 Classified , Flame:0 & Smoke :0
Meets MIL –A -3316C , Class 1 ,Grade A Class 2
Meets LEED IEQ4.1, Low Emitting Material ; VOC: 0 g/ltr.
Fire Resistance, Non Toxic & Weather Resistant
High Compatible with Insulation Fiber & Fabric
Water Based, washable, & High UV Resistant

Recommended uses:
It is recommended for Bonding fire rated Duct fabric, Low Density Duct liner, duct wrap, and fibrous glass insulation to painted or unpainted steel, galvanized or aluminum surface. It can also be applied, as contact bond adhesive being applied to both surfaces in areas where water entrapment may be a problem such as polystyrene to metal. It is ideal for bonding fibrous glass insulation and can also be used as ASJ, FSK, PVDC and PVC Jackets.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Plastic Bucket	1	36
5 Kg	Plastic Bucket	4	120

Technical Parameters:

Specific Gravity:	1.20 +/-0.10 kg/ltr
Solid:	65 % +/- 3 %
Wet Flammability	(> 100°C)
Drying Time :	touch : 10-15 Mins full : 15-120 Mins
Coverage:	5–14 m^2/Ltr (subject to surface & substrate)
Service Temperature	-25°C to 200°C

Magik 3217

UL Classified Acrylic Sealant – Anti fungal duct sealants

Benefits:
Highly elastic in nature.
Flexible with high velocity metals
Excellent Adhesion & Strength
ASTM E84 / UL723 Classified , Flame:0 & Smoke :0
Meets MIL –A -3316C , Class 1 ,Grade A
Meets LEED IEQ4.2, Low Emitting Material ; VOC: <43 g/ltr.
Fire Resistance & Non Toxic
Water Based, washable, & High UV Resistant

Recommended uses:
Highly recommended in application where fibrous glass and other type of insulations are bonded to the interior or exterior of metal duct system. It forms a tough and durable seal against air leakage. Ideal for sealing ASJ, FRK and FSK jackets, board facings and for sealing flexible air duct to rigid connectors.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
510 gm	Catridge	24	100
5 Kg	Plastic Bucket	4	120

Technical Parameters:

Specific Gravity:	1.35 +/-0.30 kg/ltr
Solid:	68.4 % +/- 0.2 %
Hardness	80-85 Type A
Tensile Strength	5-8 kg / cm^2
Water Permeability	0.008 perms
Drying Time :	touch : 1 Hrs full : 22-24 Hrs
Coverage:	Brush: 25-50 sq. ft./gal(0.6-1.20 m^2/l) Caulking Gun (38m per 0.31 tube, 3.2mm bead)
Service Temperature	-30°C to 200°C

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HVAC ADHESIVE







Magik 8110

UL Classified SYNTHETIC ELASTOMER ADHESIVE

Benefits:

Synthetic rubber based adhesive and tackyfier.
Excellent open time and wet tack
Excellent Adhesion & Strength
Meets ASTM C916 Type 4
Meets NFPA 90A AND 90B 25/50 requirements
Fire Resistance, Non Toxic & Weather Resistant
High Compatible with Insulation Fiber & Fabric
High UV Resistant and Chemical Resistant

Recommended uses:

Recommended in applications where fibrous glass and other type of insulation are bonded to the interior or exterior of metal duct system. It is a quick setting synthetic elastomer adhesive useful for duct wrap and acoustical linings for air handling units.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Metal Pail	1	48
1 USG	Metal Can	4	192

Technical Parameters:

Specific Gravity: 0.75 +/-0.10 kg/ltr
Solid: 30 % +/- 2 %
Wet Flammability (> 10°C)
Drying Time : 10-15 Mins
Coverage: 4.8–9.8 m^2/Ltr @ wet (0.2 to 0.1 mm)
(subject to surface & substrate)
Service Temperature -30°C to 95°C

Magik 8523

Nonflammable Solvent Based Adhesive

Benefits:

Non Flammable adhesive.
Excellent open time and wet tack
Excellent Adhesion & Strength
Meets ASTM C916 Type 4
Meets NFPA 90A AND 90B 25/50 requirements
Excellent bonding to Porous and Non Porous surface
High UV Resistant, Chemical Resistant and Non Toxic

Recommended uses:

It is non flammable in wet state used to join seams and build joints of elastomeric and polyolefin pipe and sheet insulation. It is ideal for bonding porous and non- porous materials, as it will not be absorbed easily. The adhesive will make a resilient and heat- resistant bond. It is suitable for line temperatures up too 100C on applications requiring bonded seams and joints.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Metal Pail	1	48
1 USG	Metal Can	4	192

Technical Parameters:

Specific Gravity: 1.26 +/-0.10 kg/ltr
Solid: 19% +/- 3 %
Wet Flammability (> 100°C)
Drying Time : 0-10 Mins
Coverage: 4.8–14.9 m^2/Ltr @ wet (0.2 to 0.13 mm)
(subject to surface & substrate)
Service Temperature -35°C to 100°C

Magik 81X33

Fire Resistive Adhesive

Benefits:

Non Flammable adhesive.
Non Flammable in wet condition
Excellent Adhesion & Coverage
Excellent bonding and Peel off Strength
High UV Resistant

Recommended uses:

Premium quality adhesive, with high tack and rapid setting for bonding thermal insulation to various surfaces. It is recommended for bonding Phenolic, Polystyrene, Rigid Polyurethane insulation and can be used for fabricating polyurethane fittings. It can be applied as contact bond adhesive where water entrapment can be a problem such as polystyrene to metal.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Metal Pail	1	48
1 USG	Metal Can	4	192

Technical Parameters:

Specific Gravity: 1.55 +/-0.5k g/ltr
Solid: 80% +/- 2 %
Wet Flammability (> 100°C)
Drying Time : 2-10 Mins
Coverage: 0.6–1.5 m^2/Ltr @ wet (1.6 to 1.0 mm)
(subject to surface & substrate)
Service Temperature -60°C to 160°C

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HVAC COATINGS



Magik 40X25

Anti-microbial & Fungicidal Protective

Benefits:

Premium quality fungicidal protective coating
Excellent Antimicrobial & Highly Antifungal
Moisture insensitive and Quick setting
Prevents and kills residual mold and protects surfaces from fungal growth.
Meets LEED IEQ4.2, Low Emitting Material ; VOC: <30g/ltr.
Excellent coverage
Non Flammable in wet condition

Recommended uses:

It is recommended for application to painted and unpainted wood, metal, masonry and concrete blocks. It can also be used on walls, ceilings, pipes, wall cavities, crawls spaces basement or wherever effective control from mold and microbial is needed.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Plastic Bucket	1	36
5 Kg	Plastic Bucket	4	120

Technical Parameters:

Specific Gravity:	1.35 +/-0.2 kg/ltr
Solid:	50 % +/- 3 %
Wet Flammability	(> 100°C)
Drying Time :	touch : 30-40 Mins , full : 120 -150 Mins
Coverage:	1 - 3 m^2/Ltr (subject to surface & substrate)
Service Temperature	-25°C to 100°C
Water Permeability :	42-50 perms



CHEMXCOAT 3036

HVAC Duct Insulation Coating

Benefits:

Highly Thermal Resistance
Excellent Adhesion & Bonding
Meets MIL –PRF 19565C type 2
Flame:0 & Smoke :0
Meets LEED IEQ4.2, Low Emitting Material ; VOC: <30g/ltr.
Fire Resistance, Non Toxic & Weather Resistant
High Compatible with Insulation Fiber & Fabric
Water Based, washable, & High UV Resistant

Recommended uses:

It is used as lagging adhesive for providing protective finish on ducts and piping along with fabric reinforcement in between. It can be used both indoor and outdoor. It can be used on the edges & joints of Fibrous Duct liner insulation for sealing and preventing air erosion. It is highly recommended on polystyrene & polyurethane foam insulations.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Plastic Bucket	1	36
5 Kg	Plastic Bucket	4	120

Technical Parameters:

Specific Gravity:	1.35 +/-0.10 kg/ltr
Solid:	62 % +/- 3 %
Wet Flammability	No Flash (> 150°C)
Drying Time :	Touch : 1-2 Hrs , full : 10-12 hrs
Coverage:	4 to 5 m^2 /per liter @ film 210 to 180 DFT
Service Temperature	-15°C to 100°C
Water Permeability :	0.9-1.2 perms



CHEMXCOAT 3036 AF

Anti Fungal HVAC Duct Insulation Coating

Benefits:

Highly Fungal Resistance , Rating : 0
Excellent Adhesion & Bonding
Meets MIL –PRF 19565C, type 2
Flame:0 & Smoke :0
Meets LEED IEQ4.2, Low Emitting Material ; VOC: <30g/ltr.
Fire Resistance, Non Toxic & Weather Resistant
High Compatible with Insulation Fiber & Fabric
Water Based, washable, & High UV Resistant

Recommended uses:

It is used both indoor and outdoor as protective coating for use over thermal insulation in areas of high humidity and high temperature. Its specially formulated to prevent & resist mold , fungus and mildew growth over the surface It can be used on the edges & joints of Fibrous Duct liner insulation for sealing and preventing air erosion. It provided protective finish over insulations over ducts & pipes. It is highly recommended on polystyrene & polyurethane foam insulations.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Plastic Bucket	1	36
5 Kg	Plastic Bucket	4	120

Technical Parameters:

Specific Gravity:	1.35 +/-0.15 kg/ltr
Solid:	63 % +/- 3 %
Wet Flammability	No Flash (> 150°C)
Drying Time :	Touch : 1-2 Hrs , full : 10-12 hrs
Coverage:	4 to 5 m^2 /per liter @ film 210 to 180 DFT
Service Temperature	-15°C to 100°C
Water Permeability :	0.9-1.3 perms

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CHEMXCOAT VBC

High Performance HVAC Vapor Barrier Coating

Benefits:

Highly Solid , weatherproof & Water Resistant
Excellent Adhesion & Bonding
Meets MIL –PRF 19565C, type 2
Flame:0 & Smoke :0
Meets LEED IEQ4.2, Low Emitting Material ; VOC: <30g/ltr.
Fire Resistance, Non Toxic , Fungal Resistant
High Compatible with Insulation Fiber & Fabric
Water Based, washable, & High UV Resistant

Recommended uses:

It is used as high solid vapor barrier finish for most types of thermal insulations. It is generally used in highly humid environment. It can be used both indoors and outdoors over insulation on pipes ,vessels & ducts. It is ideal for vapor sealing ASJ, FRK, & FSK Jacket etc. It acts as an excellent duct closure sealants.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Plastic Bucket	1	36
5 Kg	Plastic Bucket	4	120

Technical Parameters:

Specific Gravity:	1.40 +/-0.10 kg/ltr
Solid:	72 % +/- 3 %
Wet Flammability	No Flash (> 150°C)
Drying Time :	Touch : 2-3 Hrs , full : 15-17 hrs
Coverage:	1.0 – 1.8 m^2/Ltr @ wet film (1.0-0.5 mm) per coat
Service Temperature	-30°C to 110°C
Water Permeability :	0.013 +/- 0.004 perms 0.08 +/- 0.004 perms

ENICOAT 3036

HVAC Duct Insulation Coating

Benefits:

Highly Thermal Resistance
Excellent Adhesion & Bonding
Flame:0 & Smoke :0
Fire Resistance, Non Toxic & Weather Resistant
High Compatible with Insulation Fiber & Fabric
Water Based, washable, & High UV Resistant

Recommended uses:

It is used as lagging adhesive for providing protective finish on ducts and piping along with fabric reinforcement in between. It can be used both indoor and outdoor. It can be used on the edges & joints of Fibrous Duct liner insulation for sealing and preventing air erosion. It is highly recommended on polystyrene & polyurethane foam insulations

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Plastic Bucket	1	36
5 Kg	Plastic Bucket	4	120

Technical Parameters:

Specific Gravity:	1.40 +/-0.10 kg/ltr
Solid:	62 % +/- 3 %
Wet Flammability	(> 100°C)
Drying Time :	Touch : 1-2 Hrs , full : 10-12 hrs
Coverage:	3 to 5 m^2/per liter @ 210 to 150 DFT
Service Temperature	-15°C to 120°C
Water Permeability :	1.3 perms

ENICOAT 3036 AF

Anti Fungal HVAC Duct Insulation Coating

Benefits:

Highly Fungal Resistance , Rating : 0
Excellent Adhesion & Bonding
Flame:0 & Smoke :0
Fire Resistance, Non Toxic & Weather Resistant
High Compatible with Insulation Fiber & Fabric
Water Based, washable, & High UV Resistant

Recommended uses:

It is used both indoor and outdoor as protective coating for use over thermal insulation in areas of high humidity and high temperature. Its specially formulated to prevent & resist mold , fungus and mildew growth over the surface It can be used on the edges & joints of Fibrous Duct liner insulation for sealing and preventing air erosion. It provided protective finish over insulations over ducts & pipes. It is highly recommended on polystyrene & polyurethane foam insulations.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Plastic Bucket	1	36
5 Kg	Plastic Bucket	4	120

Technical Parameters:

Specific Gravity:	1.50 +/-0.10 kg/ltr
Solid:	60 % +/- 5 %
Wet Flammability	(> 100°C)
Drying Time :	Touch : 1-2 Hrs , full : 10-12 hrs
Coverage:	3 to 5 m^2 /per liter @
film	210 to 180 DFT
Service Temperature	-15°C to 120°C
Water Permeability :	1.3 perms

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ENICOAT VBC

High Performance HVAC Vapor Barrier Coating

Benefits:

Highly Solid , weatherproof & Water Resistant
Excellent Adhesion & Bonding
Flame:0 & Smoke :0
Fire Resistance, Non Toxic , Fungal Resistant
High Compatible with Insulation Fiber & Fabric
Water Based, washable, & High UV Resistant

Recommended uses:

It is used as high solid vapor barrier finish for most types of thermal insulations. It is generally used in highly humid environment. It can be used both indoors and outdoors over insulation on pipes ,vessels & ducts. It is ideal for vapor sealing ASJ, FRK, & FSK Jacket etc. It acts as an excellent duct closure sealants.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Plastic Bucket	1	36
5 Kg	Plastic Bucket	4	120

Technical Parameters:

Specific Gravity: 1.35 +/-0.15 kg/ltr
Solid: 60 % +/- 5 %
Wet Flammability (> 100°C)
Drying Time : Touch : 1-2 Hrs , full : 20-22 hrs
Coverage: 1.0 – 1.6 m^2/Ltr @ wet film (1.0-0.5 mm) per coat
Service Temperature -15°C to 120°C
Water Permeability : 0.15 perms



CHEMXGLUE 8110

Solvent Based Adhesive for Rubber Insulation

Benefits:

Synthetic rubber based adhesive and tackyfier.
Excellent open time and wet tack
Excellent Adhesion & Strength
Meets ASTM C916 Type 4
Meets NFPA 90A AND 90B 25/50 requirements
Fire Resistance, Non Toxic & Weather Resistant
High UV Resistant and Chemical Resistant

Recommended uses:

Recommended in applications where fibrous glass and other type of insulation are bonded to the interior or exterior of metal duct system. It is a quick setting synthetic elastomer adhesive useful for duct wrap and acoustical linings for air handling units.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Metal Pail	1	48
1 USG	Metal Can	4	192

Technical Parameters:

Specific Gravity: 0.85 +/-0.10 kg/ltr
Solid: 24 % +/- 3 %
Wet Flammability (> 10°C)
Drying Time : 10-15 Mins
Coverage: 6-8 m^2/Ltr (subject to surface & substrate)
Service Temperature –25°C to 90°C



CHEMXGLUE TF 8110

Toluene Free Synthetic Rubber Based Adhesive

Benefits:

Toluene Free Synthetic rubber based adhesive and tackyfier.
Excellent open time and wet tack
Excellent Adhesion & Strength
Meets ASTM C916 Type 4
Meets NFPA 90A AND 90B 25/50 requirements
Fire Resistance, Non Toxic & Weather Resistant
High UV Resistant and Chemical Resistan

Recommended uses:

Recommended in applications where fibrous glass and other type of insulation are bonded to the interior or exterior of metal duct system. It is a quick setting synthetic elastomer adhesive useful for duct wrap and acoustical linings for air handling units

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Metal Pail	1	48
1 USG	Metal Can	4	192

Technical Parameters:

Specific Gravity: 0.85 +/-0.10 kg/ltr
Solid: 24 % +/- 3 %
Wet Flammability (> 10°C)
Drying Time : 10-15 Mins
Coverage: 6-8 m^2/Ltr (subject to surface & substrate)
Service Temperature –25°C to 90°C

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HVAC ADHESIVE







CHEMXGLUE 52-10

Solvent Based Adhesive for Rubber Insulation

Benefits:

High Compatible wih Nitrile Rubber
Excellent tack and quick drying time
Extremely low odor
Meets LEED IEQ4.1, Low Emitting Material ; VOC: 42 g/ltr.
Meets MIL –A -24179 A, Class 1, Type 2
UV, Heat and Chemical Resistant

Recommended uses:

Develped specially for Nitrile Rubber Inslulation Material, Flexible Elastomeric and closed cell foam insulation. It is also ideal for Insulation of Nitrile Sheet to Metal, Air Ducts, Slabs, Polyurethane Foam, Rigid PVC Sheet, Formica, Rubber Sheets, etc.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Metal Pail	1	48
1 USG	Metal Can	4	192

Technical Parameters:

Specific Gravity:	0.85 +/-0.05 kg/ltr
Solid:	20 % +/- 3 %
Wet Flammability	(> 10 °C)
Drying Time :	10-15 Mins
Coverage:	5–8 m^2/Ltr
	(subject to surface & substrate)
Service Temperature	-25 °C to 120 °C

CHEMXGLUE PIR

Polychloroprene Rubber Based PIR Adhesive

Benefits:

Polychloroprene rubber based Adhesive
Excellent Adhesion and High Strength with Phenolic Vs
Phenolic PIR v/s PIR and PU v/s PU
Excellent Wet Tack
Excellent bonding to Porous and Non Porous Surface
Excellent Resistance to Heat and Chemicals

Recommended uses:

It is specially developed for Polyruethane, Phenolic and Polyisocyanurate (PIR) foam in air duct system. It can also be used for most of the prous and non porous surfaces.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Metal Pail	1	48
1 USG	Metal Can	4	192

Technical Parameters:

Specific Gravity:	0.85 +/-0.10 kg/ltr
Solid:	22 % +/- 3 %
Wet Flammability	(> 21°C)
Drying Time :	10-15 Mins
Coverage:	5–6 m^2/Ltr
	(subject to surface & substrate)
Service Temperature	-50 °C to 150 °C

CHEMXGLUE PL

Polychloroprene Rubber Based Phenolic Duct Adhesive

Benefits:

Polychloroprene rubber based Adhesive
Excellent Adhesion and High Strength with Phenolic Vs Phenolic
Excellent Wet Tack
Excellent bonding to Porous and Non Porous Surface
Excellent Resistance to Heat and Chemicals

Recommended uses:

It is specially developed Phenolic duct. It is very good in film forming nature which gives uniform bonding to most of substrate like cross-linked Polyethylene, EPDM and similar substrate. It can also be used for most of the porous and non porous surfaces.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Metal Pail	1	48
1 USG	Metal Can	4	192

Technical Parameters:

Specific Gravity:	0.85 +/-0.10 kg/ltr
Solid:	23 % +/- 0.2 %
Wet Flammability	No Flash (> 21 °C)
Drying Time :	10-15 Mins
Coverage:	5–6 m^2/Ltr
	(subject to surface & substrate)
Service Temperature	-50 °C to 150 °C

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HVAC ADHESIVE







ENIFIX 150

PIR DUCT ADHESIVE

Benefits:

Synthetic rubber based Adhesive
Excellent Adhesion and High Strength with Phenolic Vs Phenolic, PIR v/s PIR & PU v/s PU
Excellent Wet Tack
Excellent bonding to Porous and Non Porous Surface
Excellent Resistance to Heat and Chemicals

Recommended uses:

It is specially developed Phenolic, Polyurethane and Polyisocyanurate (PIR) foam air duct system. It is very good in film forming nature which gives uniform bonding to most of substrate like cross-linked Polyethylene, EPDM and similar substrate. It can also be used for most of the porous and non porous surfaces.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Metal Pail	1	48
1 USG	Metal Can	4	192

Technical Parameters:

Specific Gravity: 0.85 +/-0.10 kg/ltr
Solid: 35 % +/- 3 %
Wet Flammability (> 21°C)
Drying Time : 10-15 Mins
Coverage: 6–8 m^2/Ltr
(subject to surface & substrate)
Service Temperature -50°C to 150°C

CHEMXSEAL 3217

Acrylic Sealant – Anti fungal duct sealants

Benefits:

Highly elastic in nature.
Flexible with high velocity metals
Excellent Adhesion & Strength
ASTM E84 / UL723 Classified , Flame:0 & Smoke :0
Meets MIL –A -3316C , Class 1 ,Grade A
Meets LEED IEQ4.2, Low Emitting Material ; VOC: 0.01 g/ltr.
Fire Resistance & Non Toxic
Water Based, washable, & High UV Resistant

Recommended uses:

Highly recommended in application where fibrous glass and other type of insulations are bonded to the interior or exterior of metal duct system. It forms a tough and durable seal against air leakage. Ideal for sealing ASJ, FRK and FSK jackets, board facings and for sealing flexible air duct to rigid connectors.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
510 gm	Catridge	24	100
5 Kg	Plastic Bucket	4	120

Technical Parameters:

Specific Gravity: 1.60 +/-0.10 kg/ltr
Solid: 68.4 % +/- 0.2 %
Hardness 80-85 Type A
Tensile Strength 5-8 kg/cm^2
Water Permeability: 0.30- 0.35 perms
Drying Time : touch : 1 Hrs , full : 22-24 Hrs
Coverage: Brush: 25-50 sq. ft./gal(0.6-1.02 m^2/l)
Caulking Gun (38m per 0.31 tube, 3.2mm bead
Service Temperature -50°C to 150°C

MAGIK 555 LV

Low VOC Synthetic Elastomer Based Adhesive

Benefits:

High Compatible With Nitrile Rubber
Developed to meet SCAQMD Rule 1168 & 40 CFR 59
Extremely Low Odor
Quick Drying and Setting Time
Excellent Boding to Porous and Non Porous Surface
Chemical Resistant
Excellent Heat

Recommended uses:

ENIFIX 555 LV will make resilient and heat resistant bond with many materials where use of low VOC solvent based rubber based adhesive is suitable and required. It is specially developed to meet to criteria for reduced emission of Volatile Organic Compound.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
5 USG	Metal Pail	1	48
1 USG	Metal Can	4	192

Technical Parameters:

Specific Gravity: 0.82±0.05 kg/Lt. (ASTM D 1475-98)
Solid: 32±2 % (ASTM D 1644)
Viscosity: 500-1200 cps (ASTM D 2196)
Flash Point: >100 °C (ASTM D 93)
VOC Content: <0.01 g/Lt. (ASTM D 2369-98)
Water Permeance: 0.05-0.08 perns (ASTM F 1249)
Drying Time (touch): 5-10 Mins (ASTM D 1640)
Coverage: 5–6 m^2/Ltr
Service Temprature: -25°C to 120°C
Insulation Properties: Excellent

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PolyKlin Plus™

Coil Cleaner

Benefits:

Non Hazardous
Non Flammable
Non Destructive
Non Caustic
Highly Concentrated air conditioner coil cleaner

Recommended uses:

It effectively clean and brightens the coils. POLYKLIN PLUS ™ a blend of surface-active agents, solvents and cleaners, formulated specifically for cleaning of multi-row, finned coils in air conditioner units, large or small. Cleaning agents foam out dirt and grime from the most inaccessible spots and easily washed away with water leaving a clean and brighter coil.

Packing:

Content	Packaging	Pieces / Box	Pieces / Pallet
25 Ltr	Jerry Can	1	32
1 USG	Gallon	4	108

Technical Parameters:

Specific Gravity: 1.22 Kg/Lt
% V.M: >60% N.A
pH : 2.5 N.A
pH (5% Sol.) : 3 N.A
Flammability : 0 N.A
Solubility with water: Completely soluble
Freezing Point: Close to water

Note:

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PRODUCT COLLECTION CHART

Sr. No	XCHEM Product Name	General Description	Type of Volatile	Flash Point	Lap Sealaing	Lagging	Duct Liner	Fiberglass and Mineal wool	PIR/ Polyurethane Phenolic	Polystyrene
1	MAGIK 30 36	Water-based lagging adhesive and coating for adhering canvas and fiberglass cloth over insulation. Meets MIL-A-3316C Class 1, Grade A requirements	Water	None		Yes		Yes		
2	MAGIK 81-10	UL listed, premium quality, Quick setting, rubber-based adhesive for bonding fibrous glass and acoustical duct liner. ASTM C 916 Type IV.	Solvent	(-13°C)			Yes	Yes		
3	CHEMXGLUE 81-10	It is a premium quality, single component, synthetic rubber based adhesive with special additives and tackyfier. Excellent water and alkali resistance and is inflammable.	Solvent	(-13°C)			Yes	Yes		
4	MAGIK 81-X33	Premium quality fire resistive adhesive, with high tack and excellent bonding strength. It is recommended for bonding Phenolic, Polystyrene, Rigid Polyurethane insulation and can be used for fabricating polyurethane fittings.	Solvent	(<100°C)						
5	CHEMXGLUE 81-10 TF	Toluene free premium quality, single component, synthetic rubber based adhesive with special additiives and tackyfier. Excellent water and alkali resistance and is inflammable.	Solvent	(-13°C)			Yes	Yes		
6	CHEMXGLUE PL	Synthetic rubber based adhesive based on special tackyfier and additives. It is specially developed for phenolic foam air duct . Excellent resistance to heat and chemicals.	Solvent	(10°C)	Yes		Yes	Yes	Yes	
7	CHEMXGLUE PIR	Polychloroprene rubber based adhesive based on special tackyfier and additives. It is specially developed for polyurethane, phenolic and polyisocyanurate (PIR) foam air duct system. Excellent resistance to heat and chemicals.	Solvent	(10°C)	Yes		Yes	Yes	Yes	
8	MAGIK 85-23	Non-flammable, quick-setting adhesive for bonding fibrous insulation to sheet metal and aluminum. Also for lap sealing. ASTM C 916 Type 4.	Solvent	(-13°C)	Yes			Yes		
9	MAGIK 85-60	UL listed premium quality High tack, water-based adhesive for attaching low density fibrous insulation and duct liner to painted and unpainted metal. Also may be used for contact applications. Meets MIL-A-3316C Class 1 Grade A requirements.	Water	None			Yes	Yes		Yes
10	ENIFIX 150	Synthetic rubber based adhesive based on special tackyfier and additives. It is specially developed for polyurethane, phenolic and polyisocyanurate (PIR) foam air duct system. Excellent resistance to heat and chemicals.	Solvent	(10°C)	Yes		Yes	Yes	Yes	
11	MAGIK 555 LV	Extremely low VOC, solvent based adhesive developed specially for Nitrile Rubber Insulation. Made with special resins & additives to produce low odor and provide execellent tack property.	Solvent	(10°C)						
12	CHEMXGLUE 52-10	Solvent based adhesive developed specially for Nitrile Rubber Insulation.Made with special resins & additives to produce low odor and provide execellent tack property	Solvent	(10°C)						

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PRODUCT COLLECTION CHART

Sr. No	Typical Use Commercial(c) or Industrial (I)	XCHEM Product Name	General Description	Type of Volatile	LEED 2009 IEQ CREDIT	Permeance value as measured in US Perms2	Flash point	Vapor Sealing Insulation Facing & Jacketing (FSK, ASJ, FRK)	Lagging and mineral wool	Finerglass and mineral wool	Rigid insulation (cellular glass, PIR, Phenolic)	Polystyrene Coating
1	C	MAGIK 30-36	MAGIK 30-36 COATING (White) coating with lagging cloth and other fabrics. Meets MIL-A-3316C Class 1, Grade A requirements	Water	X	0.4 to 1.2	None		Yes	Yes		
2	C	MAGIK 30-36 AF	UL listed offers the same properties of MAGIK 30-36 with added fungus protection. Passes ASTM D 5590 with '0' growth.	Water	X	0.4 to 1.3	None		Yes	Yes		
3	C	MAGIK VB 95	MAGIK VB 95 is an UL listed water-based vapor retarder for indoor or outdoor use. Low odor, non-toxic and 0 VOC. Use on cold operating systems. Meets MIL permeance requirements when tested by ASTM E 96, Procedure A.	Water	X	0.08	None	Yes		Yes	Yes	Yes
4	I	MAGIK 60-95 Mastic	MAGIK 60-95 is a UL listed, Latex rubberized, 0 VOC, based vapor retarder mastic. Tough, flexible, elastomeric,chemical and fire resistive. The preferred product for most cold and dual-temp work including cryogenic insulation systems.	Water	X	0.08	None	Yes		Yes	Yes	Yes
5	C	CHEMXCOAT 30-36	CHEMXCOAT 30-36 is a premium quality water based tough, washable, fire resistive coating for most indoor applications.Used as an adhesive and coating with lagging cloth and other fabrics. Meets MIL specification Meets LEED IEQ4.2, Low Emitting Material ; VOC: 0.01g/ltr.	Water	X	0.9 to 1.2	None		Yes	Yes		
6	C	CHEMXCOAT 30-36 AF	CHEMXCOAT 30-36 AF offers the same properties of CHEMXCOAT 30-36 with added fungus properties. Passes ASTM D 5590 with '0' growth.	Water	X	0.9 to 1.3	None		Yes	Yes		
7	C	CHEMXCOAT VBC	CHEMXCOAT VBC is a water-based vapor retarder for indoor or outdoor use. Low odor, non-toxic and 0 VOC.Meets MIL specification, type 2. Meets LEED IEQ4.2, Low Emitting Material ; VOC: 0.01 g/ltr. Excellent water resistance and low water permeance.	Water	X	0.08	None	Yes			Yes	Yes
8	C	ENICOAT 30-36	ENICOAT 30-36 is a economical quality water based tough, washable, fire resistive coating for most indoor applications. Used as an adhesive and coating with lagging cloth and other fabrics.	Water		0.9 to 1.2	None		Yes	Yes		
9	C	ENICOAT 30-36 AF	ENICOAT 30-36 AF offers the same properties of ENICOAT 30-36 with added fungus proeprties.Passes ASTM D 5590 with '0' growth.	Water		0.9 to 1.3	None		Yes	Yes		
10	C	ENICOAT VBC	ENICOAT VBC is an economical quality water-based vapor retarder for indoor or outdoor use. Low odor, non-toxic and 0 VOC. It can be used in high humid atmosphere and highly retards water vapor permeation.	Water		0.08	None	Yes		Yes	Yes	Yes

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PRODUCT COLLECTION CHART

Sr. No	XCHEM Product Name	General Description	Service Temp Limits at Coated Surfaces	Type of Volatile	LEED 2009 IEQ Credit	Flash Point
1	MAGIK 32-17	UL listed fire retardant, aqua-based, vapor barrier sealant for high or low velocity metal, fiberglass and flexible heating and a/c ducts. Highly elastic in nature and excellent adhesion to metals. Forms a strong and flexible seal against air leakage.	(-10°C to 150°C)	Water	Yes	None
2	CHEMXSEAL 32-17	UL listed fire retardant, aqua-based, vapor barrier sealant for high or low velocity metal, fiberglass and flexible heating and a/c ducts. Highly elastic in nature and excellent adhesion to metals. Forms a strong and flexible seal against air leakage.	(-10°C to 150°C)	Water	Yes	None

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