HIPEX

QUALITY MEETS EXCELLENCE

Let's ***Construct***
a Better Tomorrow With
Our Material

www.hipexgroup.com

ABOUT US

Hipex Enterprise provides top-notch construction materials. By utilising raw materials and machinery with the most advanced technology, we guarantee the quality of our products. With our stellar reputation and more than a thousand customers on the Indian and international markets, we believe we have achieved a significant milestone. Nevertheless, we continue to work hard to improve the benefits of our products and help customers meet their demands for quality, brilliance, and durability.

We command an immense brand image built with timely delivery of quality products at a competitive price through ultra careful R&D duly backed by a highly qualified and technical service team with vast experience. Hipex Enterprise holds domain expertise in the comprehensive product range manufactured specialized construction materials, Bitumen Impregnated Soft board, Expansion Joint Filler Board, Backer Rod, HD100 board, De-bonding Strip, PVC Water Stopper, Non woven geotextile membrane, HDPE and LDPE film, Geosynthetic Clay Liners (GCL), Butyl aluminum flashing tape, EVA foam sheet etc. Our team is highly professional and follows ethical business practices

VISION

- We believe that supplying cutting-edge Products with the highest quality standards in a timely and sustainable manner will be essential to achieving the goal.

- To introduce environment / customer friendly products, thereby facilitating improvement in the life of people

- We believe that brilliance is found in the smaller details. As a consequence, we focus on everyday excellence to give our customers a unique value by offering the best products that are also environmentally friendly and top-notch customer service..

MISSION

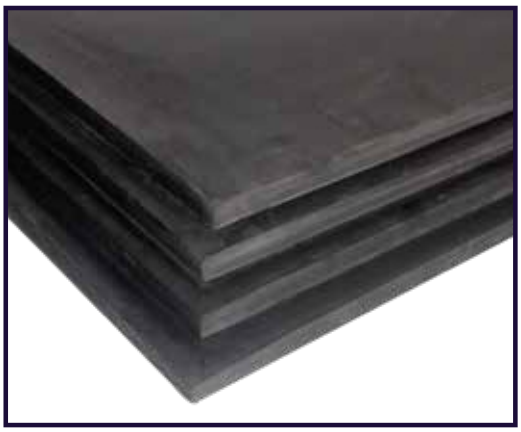
- We'll maintain our position at the top of our business by being dedicated, ethical, and innovative..

- Create a synergistic balance between the marketplace and our capabilities.

- Manufacturing effective and robust products bench-marked according to global standards.

- Delivering on our promises to customers and try to exceed their expectations

EXPANSION JOINT BOARD



Hipex expansion joint board is a cross linked non absorbent, semi-rigid, cellular polyethylene joint filler also known as compressible Expansion Joint Filler Board and HD100 Dura board used for forming expansion joints in concrete, brickwork and blockwork. It is flexible as well as has high compression-recovery, therefore suitable for application at places which require readily compressible low load. It is High-density board product, so insulation has a greater modulus of rupture and increased compressive strength while maintaining a high degree of dimensional and surface consistency.

Advantages

- It is light, clean and easy to use.
- Negligible water/vapor absorption
- High ability to compress and recover
- Suitable for submerged or trafficable joints
- Non-staining, non-impregnated, non-bleeding

Application

- Backup support for sealant
- Abutments, hinge joints, and decks of bridges.
- Constructions for retaining and excluding water
- Dams ,reservoirs, bridge and viaducts
- In concrete parking areas, industrial flooring, airport runways, taxiways, and motorways

Technical specification

Technical Specification Expansion Joint Board as per standards ASTM D 1752 and Highway clause 1015

Material	Polyethylene
Color	Black
Water Absorption	1-1.5%
Density	100 kg/m3 ± 10%
Compression deflection and recovery with weathering	Min 92%
Compression deflection and recovery with weathering	Min 94%
Extrusion	1mm Max
Alkali Resistance	No Effect Observed

Size :

Dimension	Thickness	Forms Available*
1 MTR x 2 MTR	Up to 50 MM	Sheet
1.2 MTR x 2.4 MTR	Up to 100 MM	Sheet

*Available in customized sizes and packaging based on customer needs. Contact us. if you'd like further details.

BITUMEN IMPREGNATED BOARD

Bitumen impregnated boards are made from sugarcane fiber with various percentages of special grade bitumen added. Longer, stronger and more resilient cane fibers allow for better expansion and contraction in filler boards. The boards are made very tough and durable by asphalt, which also lengthens the product's lifespan. The natural wood fibers chips, and proprietary compounds used to make the impregnated soft board are mechanically reduced to fibers, which are then compressed to form a continuous sheet. During manufacturing, bitumen is integrated into the board to increase its durability and resistance to moisture. The boards are more environmentally friendly than polymeric sheets.

Advantages

- Durable and simple to use.
- Due to bitumen impregnation, there is less moisture absorption.
- It has given concrete the best resistance to the weathering cycle.
- Allow the concrete slabs to move freely during expansion and contraction.

Application

- Structural expansion joints and structural separation joints in block and in situ concret construction, such as screed floors, highways, airport runways, pedestrian areas, bridges, curbs, basements, retaining walls, site slabs, subways, and other structures, are filled.
- Filling various kinds of lateral supports, such as abutments and piers, with expansion joints.
- Concrete flooring and other flat works.

Technical specification

Technical Specification Bitumen Impregnated board test as per IS: ASTM D1751

Water Absorption	15%
Density Range	270-350 kg/m^3
Recovery	85%
Weight Loss After Stress Application	0.1-0.2 %
Extrusion	1mm max
Alkali Resistance	No Effect Observed
Standard Bitumen Content	10%-20%-35%
Standard Asphalt Content (%)	20-40%

Size :

Dimension	Thickness	Forms Available*
4 FT X 4 FT	10 MM, 12 MM, 18 MM, 20 MM, 25 MM	Sheet
4 FT X 4 FT	10 MM, 12 MM, 18 MM, 20 MM, 25 MM	Sheet

*Available in customized sizes and packaging based on customer needs. Contact us. if you'd like further details.

ARMOUR DURA EXPANSION FILLER BOARD

Hipex Group are one of the leading manufactuer and exporter of armour expansion board in ahmedabad, Gujarat. For RCC columns, beams, walls, and slabs, "Armour board" is an alkali-resistant, closed-cell, polymer-based expansion joint filler material. It is an appropriate product for this application due to its high recovery after compression. It is a unique substance made to be utilized in structures as expansion joint filler.

Advantages

- Negligible water / moisture absorption.
- Non-impregnating, non-bleeding, and non-staining does not collapse.
- No fibers, dust, or crumb. May be easily installed by being sliced with a knife.
- Due to its excellent chemical resistance, it is unaffected by alkalis, alcohols, detergents, petrochemical compounds, and even the mildest acids.

Application

- Building structural expansion joints
- brick and block work in buildings
- Isolation joints between adjacent structures, such as buildings, or those found around manholes, sewers, and other concrete insets, etc.

Technical specification

Technical Specification Armor Dura expansion filler board as Per ASTM- D3575.

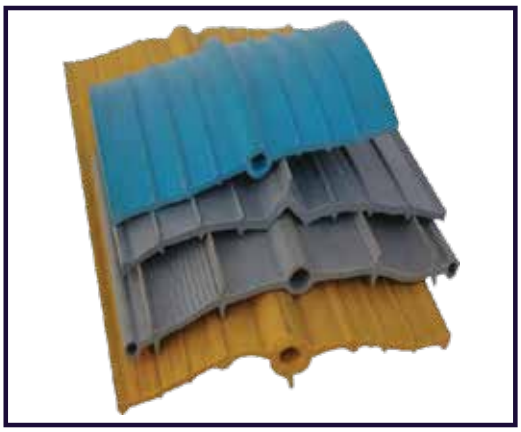
Characteristic	Unit	Specification
Water Absorption	Kg/sq.mtr.	0.45Max.
Density	Kg/cu.mtr.	28 Min.
Compression Strength(25% deflection)	Kg/sq.mtr.	0.21Min.
Compression Set	%	25% Max.
Tensile Strength	Kg/sq.cm.	1.8 Min.
Elongnation	%	60Min.

Size :

Thickness	Dimension	Forms Available*
10 - 50 MM	1.4 MTR X 2 MTR	Sheet
10 - 50 MM	1.4 MTR X 1.8 MTR	Sheet

*Available in customized sizes and packaging based on customer needs. Contact us. if you'd like further details.

PVC WATER STOPPER



Our PVC Water stoppers are constructed of virgin PVC material, stabilized for light and heat (UV) protection, and protected against ageing, giving them a lifespan. Large concrete structures need a deep foundation to be stable and are created using many pours to relieve pressure or on top of already completed structures. This indicates that the entire structure would have many Cold Joints created by subsequent pours. Hydrophilic PVC Water Stops should be fitted at every junction to make the structure water tight since co-formed joints might lead to water seepage.

Advantages

- Outstanding natural elasticity and impermeability
- Protect against hydrostatic pressure and water leaking
- Completely devoid of material defects, is not brittle, and does not shatter when exposed to typical conditions.
- If placed properly, it won't fail during natural joint expansion and contraction.

Application

- **Public Utilities:** For irrigation projects, water tanks, water filtration systems, swimming pools, sewage treatment facilities, clarifiers, dams, canals, reservoirs, and aqueducts.
- **Buildings:** For terraces, retaining walls, slabs, masonry joints, basements, foundations, and overhead & subterranean water tanks.
- **Industries:** Thermal and hydro power plants, chemical and waste treatment facilities, atomic reactors, shipyards, and docks

Technical specification

Technical Specification PVC Water Stop Seal as Per IS: 15058:2002 and IS: 12200:2001.

Characteristic	Unit	Specification
Color		Black, White
Tensile Strength	Mpa	13.7
Elongation at Break	%	285 MIN
Hardness	Shore-A	65 Min
Water Absorption	%	0.6 Max
Cold Resistance (at-25o	Visual	No Crack
Accelerated Extraction Test		
Tensile Strength	Mpa	10.4
Elongation at Break	%	280 MIN

Stability in effect of Alkalis test.

Weight increase at 7 days	%	0.25 Max
Weight decrease at 7 days	%	0.10 Max
Change in hardness at 7 days	Shore-A	5
Weight increase at 28 days	%	0.40 Max
Weight decrease at 28 days	%	0.30 Max
Dimension Change	%	1

Size :

Thickness	Thickness	Forms Available*
6 Inch (150 MM)	5-6 MM, 8 MM, 10 MM, 12 MM	25 MTR ROLL
9 Inch (230 MM)	5-6 MM, 8 MM, 10 MM, 12 MM	25 MTR ROLL
12 Inch (305 MM)	5-6 MM, 8 MM, 10 MM, 12 MM	25 MTR ROLL

*Available in customized sizes and packaging based on customer needs. Contact us. if you'd like further details.

BACKER ROD.

Our backer rod is made of extruded polyethylene foams, which are compressible, flexible, and durable enough to fulfill the stringent performance specifications of various applications. It is inserting to joint control sealant depth, creating a backstop to allow proper sealant tooling. It can also be used as a temporary joint seal. They are non-absorbent and can withstand most other sealants as well as oil and gasoline. The majority of cold-applied sealants are compatible with them.

Advantages

- Control sealant depth.
- It is lightweight, simple to handle, and cut.
- Eliminate three-sided joint adhesion failure.
- Excellent weather ability and environmentally friendly

Application

- Repair and glazing operation
- Expansion joints, curtain and wall joints.
- Partitions and log construction
- precast units and copings

Technical specification

Technical Specification Backer rod as per standards ASTM D5249 type 3 and ASTM C1330 type C

Characteristic	Specification
Color	White, Black and Gray
Water Absorption	1%
Density	25 kg/m3 ± 10 %
Tensile Strength	29-30 psi
Extensibility	105%-135%
Compression Recovery	94%
Compression Deflection	5 psi

Size :

Thickness	Length	Forms Available*
3-10 MM	100 MTR	ROLL
12-20 MM	50 MTR	ROLL
25-40 MM	25 MTR	ROLL
50-70 MM	2 MTR	SINGLE

*Available in customized sizes and packaging based on customer needs. Contact us. if you'd like further details.

NON WOVEN POLYESTER GEOTEXTILES MEMBRANE

Our Non-woven polyester geotextile membrane is produced utilizing cutting-edge technology and premium raw ingredients. Synthetic polymer fibers or filaments are continually expelled throughout the production process and deposited into a moving belt. The mass of fibers or filaments is then pierced with a needle or similar instrument, with a series of tiny needles being used to sufficiently entangle the filaments. At the site of contact, the fibers are subsequently welded together using heat or pressure. Our company's non-woven geotextile fabric, which performs the separation and filtration functions, improves the performance of granular layers

Advantages

- It has UV stabilized and thermal bonded.
- Excellent tensile strength and hydraulic characteristics.
- Resistant to naturally occurring soil alkalis. Resistant to all naturally occurring soil acids. (i.e. to acids of pH > 2).
- In natural soils with a pH range of 4 to 9 and temperatures below 25 °C, predicted to long lifespan.

Application

- **Highways:** : Roads, both paved and unpaved, drainage below ground, culverts, and outfalls.
- **Coastal:** Wastewater and irrigation, Dam and canal bunds, reservoir and river banks
- **Landfill:** Protection for geomembranes, filter separators
- **Landscaping:** Root and weed barrier walkways and bicycle lanes, Hard stands and parking lots

Technical specification

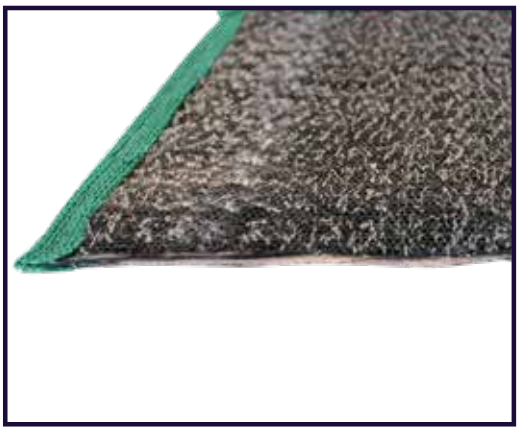
Characteristic	Specification
Color	White, Black
Weight (g/m^2)	Up To 500
Wide-Width Tensile Strength kN/m	6.0 kN/m
Elongation at Break	>50%
C.B.R Puncture Resistance	1050 N
Cone Drop	40 MM
Permeability (H_{50})	130 l/m^2s

Size :

Width	Length	Forms Available*
1-2 Mtr	100, 150, 200 MTR	ROLL
2-4 Mtr	100, 150 MTR	ROLL
4-6 Mtr	50, 100, 150 MTR	ROLL

*Available in customized sizes and packaging based on customer needs. Contact us. if you'd like further details.

GEOSYNTHETIC CLAY LINERS (GCL)



An intermediate layer of sodium bentonite powder is usually placed between two layers of non-woven geotextile that make up a geosynthetic clay liner (GCL), a mineral sealing mat that is manufactured by Hipex in ahedabad, Gujarat, India. A stitching procedure is used to link the two layers of geotextile (needle punched non-woven). With great internal shear resistance for a range of environmental confinement applications, this results in an utterly stable mat.

Advantages

- It has resistant to shrinkage, strong, and durable.
- GCL are used above to defend against coarse gravel punctures.
- Changes in density, moisture, or clay content have little to no impact on GCL.

Application

- Canals, storm water impoundments, and wetlands
- Landfill liners, Landfill caps,Mining,and Ponds
- Secondary containment, and Highway and civil

Technical specification

TECHNICAL SPECIFICATION OF GEOSYNTHETIC CLAY LINER (GCL), AS PER IS: 10319

Characteristic	Unit	Specification
Composite (GBR-C)		
Weight Per Squre Meter	g/m^2	3300-5200
Peel Strength	N/10cm	35-65
Longitudinal Tensile Strength	kN/m	11-12
Longitudinal Elongation	%	<20
Geotextile Properties		
Base Layer	-	Non-woven
Upper Layer	-	Woven
Polymer	-	Polypropylene
Bentonite Properties		
Material Type	-	Sodium Bentonite
Melting Temperature	°C	1340
Specific Weight	g/cm2	2.6
Free Swelling Capacity	ml/2g	>24

Size :

Thickness	Length	Forms Available*
5-6 MM	4 - 6 MTR	50 MTR, 100 MTR ROLL
6.5 MM	4 - 6 MTR	50 MTR ROLL
7 MM - 10 MM	4 - 6 MTR	50 MTR ROLL

*Available in customized sizes and packaging based on customer needs. Contact us. if you'd like further details.

LDPE FILM

Hipex is one of the leading manufacture and exporter of Low density polyethylene sheet which are widely utilized in agriculture, industry, construction projects, and projects protecting against liquid pollution. LDPE film serves as a perfect barrier to keep contaminants out of ground water sources and to stop seepage loss during water conservation projects. It is distinguished by its transparency, low-temperature impact resistance, low heat resistance, and toughness and flexibility.

Advantages

- Very strong chemical resistance and unaffected by bacterial or fungal growth.
- The resistance of LDPE films to ozone, oxidation, weather, and water is excellent. Due of its lengthy hydrocarbon chain, polyethylene exhibits the aforementioned qualities.
- It has excellent Flame retardant, UV Stabilizers and Slip/Anti-block Agents characteristics.

Application

- Agricultural objective, canal, reservoir, and pond lining.
- Tunnel liner for industrial effluent plants, wrapping and packaging.
- protecting a terrace garden from water
- Cement, building materials, cotton chemicals, food grains, fertilizers, and power plants are all protected.

Technical specification

TECHNICAL SPECIFICATION OF LDPE FILM AS PER IS: 2508/87

Characteristic	Unit	Specification
Density	Gm/cc	0.922 to 0.937
Tear Resistance	N/mm2	9.5 Min.
Carbon Black Dispersion	%	20.5±0.5
Dart Impact Load	Gf	120 Min. (Normal)
Tensile Strength		
a) Machine Direction	kg/cm^2	Min. 140
b) Transverse Direction		Min. 110
Elongation at Break		
a) Machine Direction	%	Min. 200
b) Transverse Direction		Min. 400

Size :

Thickness	Width	Forms Available*
100-250 µm	up to 354 inches (9.00 m)	CF, SHT, LFT
250-500 µm	up to 354 inches (9.00 m)	SHT, LFT, GT
500-750 µm	up to 354 inches (9.00 m)	LFT, GT, G

*Available in customized sizes and packaging based on customer needs. Contact us. if you'd like further details.

HDPE FILM

The prominent HDPE film /sheet Manufacturer by Hipe x group. Around the world, using landfills to dispose of waste is still the predominant option. Mostly used for development work, horticultural duties, and similar applications. HDPE films have various advantages, including high shear and elasticity, strong obstruction qualities, and a high helping temperature. Most often used in landfill applications, HDPE films prevent climate pollution by allowing water to permeate through the garbage.

Advantages

- HDPE film has a high impact resistance, won't splinter or decay, and is resistant to odors, stains, dampness, and abrasion.
- HDPE film is simple to cut, weld, thermoform, and machine due to its low coefficient of friction.
- Film is unaffected by moisture or water, especially salt water. It may be utilized completely immersed in either freshwater or saltwater.

Application

- Petroleum and chemical industries.
- Ground water contamination and air pollution.
- Rivers, canals, Reservoirs and dams.
- Concrete port construction is concealed.
- Storage of industrial and agricultural slurries.

Technical specification

TECHNICAL SPECIFICATION OF HDPE FILM AS PER IS: 10889/84

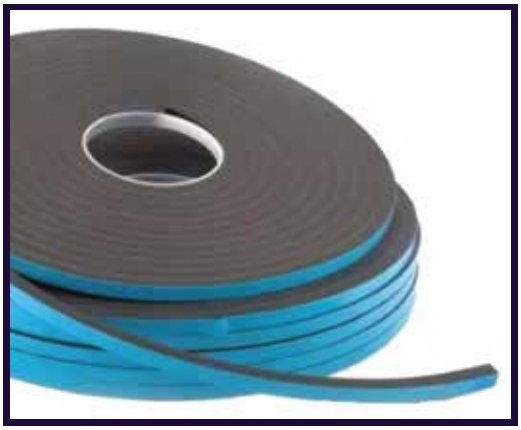
Characteristic	Unit	Specification
Density	Gm/cc	0.950±0.015
Elongation at Break	%	350 Min.
Tensile Strength	Kgf/cm2	300 Min
Tear Resistance	N	220 Min.
Carbon Black Content	%	2.5±0.5
Punctual Resistance	N	430 Min.
Ozone Resistance	Visual	No Cracks
Water Absorption	%	0.03 Max

Size :

Thickness	Width	Forms Available*
100-250 µm	up to 354 inches (9.00 m)	CF, SHT, LFT
250-500 µm	up to 354 inches (9.00 m)	SHT, LFT, GT
500-750 µm	up to 354 inches (9.00 m)	LFT, GT, G

*Available in customized sizes and packaging based on customer needs. Contact us. if you'd like further details.

DEBONDING STRIP



Debonding strip for concrete paving and highways, it make an appropriate joint filler material. These strips are used to achieve the right form of the sealed surface before the sealant is applied. Exceptional joint sealing capabilities, cheap cost (in comparison to EPE foam backer rods), and chemical resistance capacity are just a few of these de-bonding strips' standout qualities. The most dependable quality is offered by Hipex , one of the reliable Debonding Strip Manufacturers in Ahmedabad, Gujarat, to satisfy a variety of customer requests..

Advantages

- High density, weatherproof design, microcellular structure, and the ability to increase bonding area.
- Resistant to several elements, including water, gasoline, and solvents.
- Non-adhesion debonding property to sealants.
- Give sealants the proper form and support.
- PE is blended and foamed as the primary chemical components to achieve excellent chemical resistance, mobility, shock resistance.

Application

- Partitions and log construction
- Repair and glazing operation
- precast units and copings
- Roadways and bridge joint
- decorative wall paneling , window and door applications

Technical specification

TECHNICAL SPECIFICATION OF Debonding strip conform to ASTMD 3575

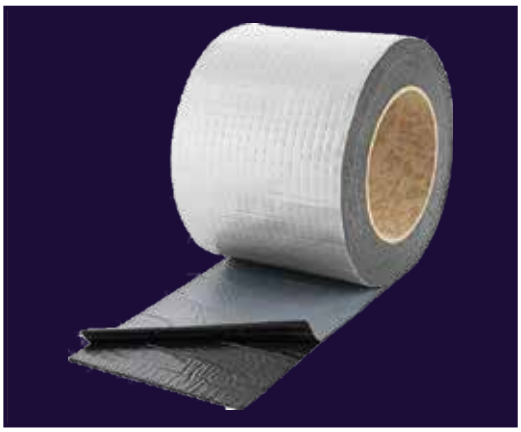
Characteristic	Specification
Water Absorption	<1%
Density	80 kg/m3 ± 10%
Hardness	30 ± 5 Shore A
Silicon Paper GSM	80
Tensile Strength	12 Kg. / sq.cm.
Elongation	110%

Size :

Thickness	Width	Length
2 - 10 MM	5 - 100 MM	1 MTR, 5 MTR, 10 MTR
10 - 15 MM	5 - 100 MM	2 MTR

*Available in customized sizes and packaging based on customer needs. Contact us. if you'd like further details.

BUTYL ALUMINUM FLASHING TAPE



In India, we are the top exporters and manufacturers of butyl aluminum flashing tapes. A self-adhesive tape, Hipex Butyl Aluminum Flashing Tape is constructed of a butyl rubber compound, self-protected by a single-sided release paper, and the other side reinforced with aluminum foil. It comes in a variety of sizes. It has excellent adhesive qualities at low temperatures, can be applied in the cold, is waterproof, and has excellent heat stability. It doesn't flow when heated and doesn't exhibit oil migration. It is resistant to UV radiation and ageing. There are no solvents present.

Advantages

- Excellent resistance to chemicals, the weather, and corrosion.
- Remains adaptable during the duration of its service life.
- Air tightness, high and low temperature resistance, water resistance, and dimensional stability are all outstanding.
- High tensile strength, outstanding elasticity, and excellent extension qualities.
- The Anti-Friction, Anti-Scratch, and High Temperature Resistance of Aluminum Foil Flame retardant, ultra-high bond, and ultra-strong adhesive that even works underwater.

Application

Materials including glass, steel, polycarbonate, wood, aluminum, PVC, industrial roofing, pipes, cable, refrigeration, and many other home uses may all be waterproofed, sealed, and joined.

Technical specification

Characteristic	Specification
Material Type	Butyl rubber
Solid Content	99.90%
Color	Black, Gray
Specific Gravity	1.5 ± 0. 15
Protective Backing	Aluminium
Service Temprature	-20°C to 120°C.
Application Temprature	0°C to 50°C.
Water Absorption	<0.5%
Metal Particle	Nil
Shrinkage	Nil

Size :

Thickness	Width	Forms Available*
2 Inch	1.5 MM, 2 MM	2.5 ft, 32 ft
4 Inch	1.5 MM, 2 MM	2.5 ft, 32 ft
6 Inch	1.5 MM, 2 MM	2.5 ft, 32 ft

*Available in customized sizes and packaging based on customer needs. Contact us. if you'd like further details.

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CONTACT

Address : 39-Shreejibapa Estate, Nr.Patel Trasportation,
B/H Nilkanth Estate, Ujjala-Sarkhej, Ahmedabad-382210,
Gujarat, India.

Website : www.hipexgroup.com

E-mail : sales@hipexgroup.com

Mobile No. : +91 92289 07746

MAKE IN INDIA

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एक कदम स्वच्छता की ओर