

Durability. Innovation. Trust.



**shadoflex**  
Built Durable ■■■

[www.shadoflex.com](http://www.shadoflex.com)

## Global Innovators in Industrial Solutions

At Shadoflex, we take pride in being a leading manufacturer and exporter of premium grade tarpaulins, shade nets, ropes, and pipes under our renowned brand Shadoflex. Our products are designed for strength, durability, and performance across multiple industries, including agriculture, construction, logistics, marine, and infrastructure.

Since our inception, we have been committed to quality and innovation. We combine cutting-edge technology with stringent quality control to produce materials that with stand the toughest conditions. Whether it's providing protective covers for transportation, shade for farming, or industrial grade ropes and pipes, Shadoflex is a name you can trust.

## OUR MISSION



To manufacture and export world-class protective and utility products, delivering superior quality with innovation, sustainability, and reliability. We aim to empower industries with solutions that enhance efficiency, safety, and productivity.

## OUR VISION



To become a global leader in protective solutions, offering innovative and high-performance products that exceed expectations. Our goal is to establish Shadoflex as a symbol of trust and quality worldwide.

## CORE VALUES



- ✓ **Integrity** – Ethical and transparent business practices.
- ✓ **Innovation** – Continuous improvement and advanced technology.
- ✓ **Customer Focus** – Meeting the evolving needs of our clients.
- ✓ **Sustainability** – Environmentally responsible production.
- ✓ **Excellence** – Strict quality control at every stage.



# PRODUCT OVERVIEW

Shadoflex - The Ultimate Protection Range



We manufacture and export a diverse range of protective and industrial materials that serve multiple industries across domestic and international markets. With a focus on performance, reliability, and cost-efficiency, our solutions are trusted by professionals in agriculture, construction, transport, infrastructure, and beyond.

Our core product categories include:

- ☑ **Tarpaulins** – Heavy-duty, waterproof, and UV-resistant covers for multi-purpose protection.
- ☑ **Shade Nets** – High-quality agricultural and industrial shading solutions to regulate sunlight and protect crops or spaces.
- ☑ **Ropes** – Durable and versatile ropes, suitable for marine, construction, industrial, and household applications.
- ☑ **Pipes** – Strong, flexible, and leak-proof piping systems ideal for agriculture, irrigation, and infrastructure needs.

Each product is crafted with precision using state-of-the-art machinery, quality-tested raw materials, and strict process controls. Our commitment to continuous innovation ensures long-lasting performance, easy handling, and superior customer satisfaction.



# TARPAULINS

Shadoflex Tarpaulins - Strong. Waterproof. Reliable.

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**Shadoflex HDPE Tarpaulins** are engineered using superior quality woven high-density polyethylene (HDPE) fabric, laminated on both sides with low-density polyethylene (LDPE). Designed to endure extreme outdoor environments, they are trusted across **industrial, agricultural, transport, and commercial sectors**. With an ideal balance of strength, flexibility, and durability, our tarpaulins deliver unmatched protection against sun, rain, wind, and dust. Whether you're covering cargo on the move, safeguarding crops during monsoon, or setting up temporary shelters, Shadoflex tarpaulins stand out for their long-lasting performance, excellent weather resistance, and superior craftsmanship.

## ■ FABRIC SPECIFICATIONS

- Base Fabric: High-Density Polyethylene (HDPE) woven fabric
- Lamination: LDPE coating on both sides
- Construction: 3-layered (sandwiched fabric) for added strength
- Weave: 8x8 to 14x14 mesh per square inch
- GSM Range: 100 GSM to 250 GSM
- Color Options: Blue, Black, Green, Silver, Yellow, White, Orange
- Reinforcement: Welded edges, corner patches, aluminium eyelets at 3 ft intervals

## STANDARD SIZES & CUSTOM OPTIONS

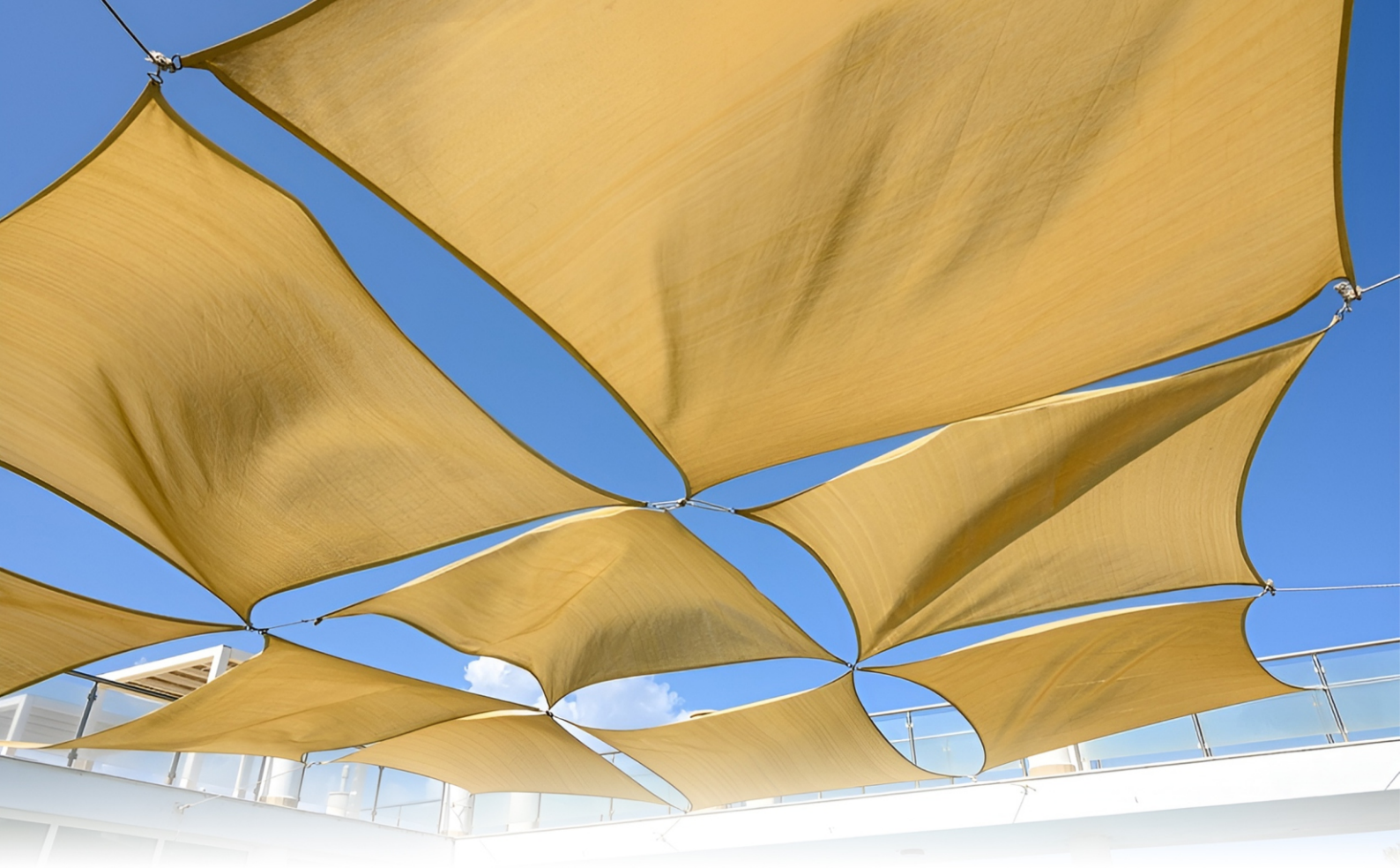
Size (feet)	GSM Options	Application
6 x 9 / 12 x 9 / 12 x 12	100 -150 GSM	Equipment covers, gardening
12 x 18 / 15 x 18 / 20 x 20	120 – 200 GSM	Construction, poultry sheds
20 x 30 / 24 x 24 /30 x 30	120 – 250 GSM	Vehicle & truck tarps
30 x 40 / 40 x 40 / 40 x 50	150 – 250 GSM	Warehouse & roofing
40 x 60 / 50 x 50 / 60 x 60	200 – 250 GSM	Pond lining, monsoon shelters
Custom Sizes	Any	OEM & Custom bulk order

## QUALITY HIGHLIGHTS

- > 100% Virgin Polymer – No recycled material used
- > UV Stabilized – Tested for prolonged sun exposure
- > Waterproof & Mildew Resistant – Ideal for wet conditions
- > Cold Crack Resistance – Suitable for sub-zero temperatures
- > Heat Sealed Seams – No stitching = No leakage
- > ROHS & REACH Compliant – Eco-safe and export-ready

## APPLICATION





# SHADE NETS

## Shadoflex Shade Nets – Protection for What Matters

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**Shadoflex Shade Nets** are crafted using high-density polyethylene (HDPE) material with UV stabilization, ensuring long-term durability even under harsh sun exposure. These nets are specially designed to control sunlight, temperature, moisture, and air movement, making them ideal for **agriculture, horticulture, construction, and commercial shading** applications. Our nets not only protect plants and crops but also reduce heat buildup, minimize water loss through evaporation, and extend the growing season. In industrial and residential use, they provide effective shade, privacy, and windbreak solutions. Every roll of Shadoflex shade net is built with precision, uniform weave, and consistent shading percentage.

### ■ TECHNICAL SPECIFICATIONS

- › Material: 100% Virgin HDPE
- › UV Protection: 3–5 years life (UV stabilized)
- › Weaving Pattern: Raschel knitted – does not unravel when cut
- › Finish: Hemmed edges or stitched with border as per requirement
- › Fire Retardant Options: Available upon request
- › Tensile Strength : Designed with high tear and elongation resistance

## SHADE NET TYPES WITH GSM RANGE

Types	GSM Range	Shade % Options
Mono x Mono	80 – 150 GSM	35%, 50%, 75%
Tape x Tape	90 – 160 GSM	50%, 75%, 90%
Mono x Tape	200 – 350 GSM	75%, 90%



Mono x Mono



Tape x Tape



Mono x Tape

## AVAILABLE SIZES

Width (meters)	Length (meters/roll)	Packing
1.0 m – 6.0 m	25 m, 50 m,	Rolls and Pieces
Custom Widths	As per order	Customized Packing

## APPLICATION





# ROPES

## Shadoflex Ropes - Strength You Can Rely On

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**Shadoflex Ropes** Are Manufactured Using High-quality HDPE (high-density Polyethylene), PP (polypropylene), And Mono-filament Materials, Designed For Strength, Flexibility, And Outdoor Durability. Our Ropes Are Uv Stabilized, Weatherproof, And Widely Used Across **Marine, Agriculture, Packaging, Construction, Industrial, And Domestic Sectors**. Made Using Advanced Extrusion And Twisting Technology, Shadoflex Ropes Are Known For Uniform Thickness, High Knot Strength, Smooth Finish, And Long Life Even Under Extreme Environmental Conditions.

### ■ MATERIAL GRADES OFFERED

- **HDPE Ropes:** Soft, lightweight, and easy to handle. Floats on water and has excellent abrasion resistance.
- **PP Ropes (Multifilament & Danline):** Stronger and stiffer than HDPE. Durable, UV-stabilized, and excellent for heavy-duty applications.
- **Mono-Filament Ropes:** High tensile strength with a shiny finish. Resistant to moisture, acids, and most chemicals. Suitable for agricultural bundling and general-purpose use.

## STANDARD SIZES AVAILABLE

Diameter (mm)	Minimum Breaking Strength (KGS)	Length/Roll
4 mm – 6 mm	200 - 400	100 m – 500 m
6 mm – 10 mm	700 - 1000	100 m – 300 m
10 mm – 14 mm	1100 - 2100	100 m – 200 m
16 mm – 40 mm	2800 - 10700	50 m – 100 m
Custom Sizes	As required	As Per client specs

## COLOR OPTIONS

- › Blue, Yellow, Red, Green, White, Black
- › Dual-colour (e.g., red-white, blue-black) and custom colours available for branding

## Key Features

- › UV Stabilized for Outdoor Use & High Knot Strength
- › Lightweight & Floats on Water
- › Resistant to Rot, Mildew & Chemicals
- › Recyclable & Non-toxic

## APPLICATION





# PIPES

## Shadoflex Pipes - Flowing Innovation

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**Shadoflex Pipes** Are Manufactured Using Premium Virgin Pvc Granules And Cutting-edge Extrusion Technology, Ensuring Excellent Strength, Flexibility, And Durability. Our Pipe Range Is Built To Serve A Variety Of Applications In **Agriculture, Irrigation, Gardening, Industrial, And Domestic Segments**, With Consistent Shadoflex Quality Across All Models.

### ■ SUCTION PIPES (FLEXIBLE PVC SPIRAL REINFORCED)

- **Material:** Soft PVC with embedded rigid spiral
- **Size Range:** 0.75" to 6"
- **Colours:** Transparent with spiral in blue/green/grey
- **Features:**
  - Excellent vacuum & pressure resistance
  - Crush-proof and highly flexible
  - UV stabilized for outdoor use



## BRAIDED PIPES (REINFORCED FLEXIBLE HOSE)

- **Material:** Virgin PVC + high-tensile polyester yarn
- **Size Range:** 15 mm to 50 mm
- **Pressure Handling:** Up to 20 bar
- **Features:**
  - Crack-resistant, transparent, and high pressure-ready
  - Flexible, leak-proof, and reinforced



## GARDEN PIPES (FLEXIBLE PVC HOSE)

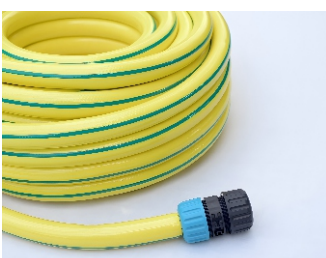
- **Material:** Virgin PVC
- **Size Range:** 0.5" to 1.5"
- **Colors:** Green, Yellow, Blue, Black, Transparent
- **Features:**
  - UV stabilized for outdoor durability
  - Lightweight, smooth finish
  - Long-lasting and weatherproof



## PACKING

- Standard coil lengths: 30m / 50m / 100m
- Packaging: Shrink wrap or woven sack
- All pipes are supplied under the registered brand name: Shadoflex

## APPLICATION





# QUALITY ASSURANCE

Our Commitment to Quality – Every Product, Every Batch

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At **ILEX ODYSSEY LLP**, we follow a zero-compromise approach to quality. Every product undergoes rigorous testing to ensure durability, performance, and compliance with international standards.

- ✓ ISO-certified manufacturing units
- ✓ Real-time testing for tensile strength, UV resistance & weather endurance
- ✓ Sustainable manufacturing with eco-friendly materials
- ✓ In-house lab with GSM testers, elongation machines, and UV aging chambers
- ✓ 100% visual inspection to check colour consistency, texture, and structural integrity
- ✓ Batch-wise product traceability with unique labelling
- ✓ Standard Operating Procedures (SOPs) followed in production & inspection
- ✓ Regular training & quality workshops for staff improvement

We provide batch traceability, third-party inspections, and customized QC reports for export clients.

With Shadoflex, you invest in quality that lasts.

# GLOBAL PRESENCE

Trusted Worldwide

Shadoflex products are exported to **20+ countries** across **Asia, Africa, the Middle East, Europe, and South America.**

## Why Choose Us?

- Fast & flexible **global shipping**
- Region-specific product customization
- Complete export documentation & compliance
- Dedicated customer support team

We have built strong partnerships with distributors, importers, and OEM clients. **Join us in bringing Shadoflex products to new markets!**

# PACKING & LOADING

Shadoflex Delivery Quality Globally

At **Shadoflex** by Ilex Odyssey, every shipment is handled with care and precision. Our export process is designed to ensure that every product reaches its destination safely, securely, and on time.





Product of India

**shadoflex**  
Built Durable ■■■

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