

erenambalaj



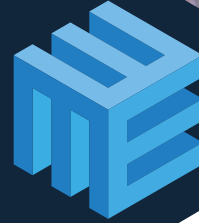


CONTENTS

The Company	02
Our Vision & Our Mission	03
Innovation & Development	04
Certifications	05
Cardboard Edge Protectors	06
Self-Adhesive Edge Protectors	14
Locking System Edge Protectors	16
Wrap Around Edge Protectors	18
Kraft Slip Sheets	20
Anti-Slip Pallet Sheet & Solid Board Sheet	24
Composite Strap	27
PET & PP Strap	29
Accessories	31



THE COMPANY



EREN AMBALAJ A.S. is a leading manufacturer of Cardboard Edge Protectors, Kraft Slip Sheets, Solid Board Sheets, Anti – Slip Paper Sheets (GRIP SHEET) based in Izmir, Turkey. With a monthly production capacity of 1,000 tons, we cater to the needs of customers in over 52 countries.

Our strategic location in Izmir grants us a geo-logistic advantage, enabling us to offer competitive and reasonable prices for our high-quality end products. We take pride in being ISO 9001, ISO 14001, ISO 10002, ISO 45001, and FSC certified, adhering to the highest quality and environmental standards.

Eren Ambalaj® products are made from 100% recycled materials and are 100% recyclable.

We prioritize customer and employee satisfaction and strive to deliver our products on time at competitive prices. Our extensive product portfolio ensures that we can meet a wide range of packaging needs. To stay at the forefront of the industry, we closely monitor national and international developments, continuously improve through research and development, and constantly enhance the quality of our services for our valued customers.

We understand the importance of secure transportation for our products. Therefore, we provide high-quality end packaging tailored to the specific dimensions required for shipping, ensuring the safest transport possible. Eren Ambalaj diligently maintains records of market-required quality and product standards and surpasses these benchmarks through comprehensive sector analyses.

Our company prides itself on delivering high-quality service, professionalism, and diversity in both national and international activities. Through our unwavering commitment to excellence, we steadily increase our market share day by day.

Choose Eren Ambalaj for sustainable, high-quality packaging solutions that prioritize environmental responsibility and customer satisfaction. Experience our dedication to innovation and superior service as we help you meet your packaging needs.



OUR MISSION

At Eren Ambalaj, our mission is to be a trusted leader in sustainable packaging solutions, providing high-quality products that meet the needs of our customers while minimizing our impact on the environment. We are dedicated to using 100% recycled cardboard and environmentally friendly materials, ensuring our packaging is easily recyclable. With a focus on customer satisfaction, timely delivery, and competitive pricing, we strive to exceed expectations and provide exceptional service to our valued clients. Through continuous improvement, research, and development, we aim to deliver innovative solutions that contribute to a greener, more sustainable future.

OUR VISION

Our vision at Eren Ambalaj is to revolutionize the packaging industry with our commitment to sustainability, innovation, and customer-centricity. We aspire to be recognized as a global leader in providing eco-friendly packaging solutions that prioritize the well-being of the planet. By staying ahead of industry trends and continuously investing in research and development, we aim to develop groundbreaking packaging technologies that reduce waste, conserve resources, and set new standards for environmental responsibility. Through our unwavering dedication to quality, service, and ethical practices, we strive to build enduring relationships with our customers, employees, and stakeholders, driving positive change in the packaging industry worldwide.



INNOVATION & DEVELOPMENT

Our internal laboratory plays a crucial role in ensuring the utmost quality control and continuous improvement of our product standards, including Edge Protectors, Slip Sheets, Solid Board Sheets, and Anti-Slip Paper Sheets. With our ISO 9001, ISO 10002, ISO 14001, and ISO 45001 certifications, we maintain stringent testing protocols to guarantee the excellence of our offerings.

Within our laboratory, we conduct comprehensive tests on multiple key parameters to ensure the quality and durability of our products. These tests include rigorous assessments of Breaking Strength, Tensile Strength, Tension Strength, Torsion, and moisture resistance. By meticulously examining these aspects, we can confidently deliver products that meet and exceed industry standards.

Through our commitment to quality control and continuous improvement, we strive to provide our customers with packaging solutions that are reliable, durable, and resistant to various environmental conditions. Our dedication to maintaining strict testing standards in our laboratory is a testament to our unwavering commitment to delivering only the highest quality products to our valued customers.



OUR CERTIFICATIONS



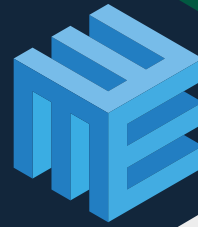
CARBOARD EDGE PROTECTORS



Eren Ambalaj® provides;

a wide range of packaging solutions that ensure to various essential functions, encompassing edge protection, unitization, load stability, beam strength, and stacking strength. Our comprehensive offerings are designed to meet the diverse packaging needs of our customers.

EDGE PROTECTION - LOAD STABILITY - STACKING STRENGTH



Eren Ambalaj® Edge Protectors are made of multiple plies of recycled paper, laminated together and formed into a rigid right angle.

Edge Protectors :

- Enhances the stacking strength of palletized goods.
- Prevents surface scratches
- Repels and absorbs corner blows
- Is an excellent replacement for wood packaging
- Can be sized to serve any size load or container
- Reduce Product Damage
- Higher Strap Tension
- More Secure Loads
- Branding Opportunities
- Humidity Proof
- Environmentally Friendly & 100% Recyclable
- Economic
- Robust High Resistance
- Light Material
- After Application Your Products Are Still Visible, No Barriers For The Vision
- Company Logo Can Be Printed Up To 6 Colors





WHY DO YOU NEED EDGE BOARD PROTECTION?

Cardboard edge protectors offer several key advantages that make them a preferred choice for packaging and transportation needs:

- 01 Enhanced Product Protection**

Edge protectors provide an additional layer of cushioning and support to fragile or vulnerable edges and corners of products. They help prevent damage, dents, and scratches during handling, stacking, and transit, ensuring that your products arrive in excellent condition.
- 02 Secure Stacking and Load Stability**

By reinforcing the edges of palletized loads, cardboard edge protectors promote stable stacking. They help distribute the weight evenly, minimizing the risk of load shifting, toppling, or collapsing. This ensures that products remain securely in place during transportation and storage.
- 03 Improved Pallet Durability**

Edge protectors contribute to the durability and structural integrity of pallets. They act as a barrier between the load and the pallet, preventing direct contact and minimizing the potential for pallet damage. This extends the lifespan of pallets, reducing the need for frequent replacements.



WHY DO YOU NEED EDGE BOARD PROTECTION?



04

Cost-Effective Solution

Cardboard edge protectors are a cost-effective packaging solution compared to alternatives like plastic or metal. They are lightweight, easily customizable, and can be produced at a lower cost, providing a budget-friendly option for product protection and packaging needs.

05

Environmentally Friendly

Made from recyclable and biodegradable materials, cardboard edge protectors are an eco-friendly packaging choice. They can be easily recycled or disposed of without causing harm to the environment. Choosing cardboard edge protectors aligns with sustainable practices and demonstrates a commitment to reducing waste and carbon footprint.

06

Versatility and Customization

Cardboard edge protectors can be tailored to meet specific requirements. They can be cut, folded, and shaped to fit various product dimensions and packaging configurations. Additionally, they can be printed with company logos, branding, or product information, serving as a marketing tool and enhancing brand visibility.

By leveraging the advantages of cardboard edge protectors, businesses can protect their products effectively, optimize stacking and storage, reduce costs, and demonstrate environmental responsibility.



Cardboard edge protectors are a popular and versatile choice for standard applications due to their affordability, recyclability, and ease of use. They are commonly used in various industries for edge protection and reinforcement. Here are some details about cardboard edge protectors for standard applications:

Cardboard edge protectors are typically crafted from durable, rigid, and eco-friendly cardboards that are completely recyclable. Different profiles are available for cardboard edge protectors, including L-shaped and U-shaped designs. The selection of a profile depends on the specific application and the type of edge or corner that requires protection.

Cardboard edge protectors are offered in various dimensions to accommodate a wide range of item sizes and weights. The dimensions can be tailored to meet the specific requirements of each application.

Industries such as e-commerce, logistics, furniture, appliances, and manufacturing widely utilize cardboard edge protectors. These protectors effectively safeguard edges against impacts, compression, and abrasion during handling, shipping, and storage. Being recyclable, cardboard edge protectors can be easily disposed of in recycling bins. This eco-friendly characteristic makes them a sustainable choice for packaging, reducing the overall environmental impact.



HUMIDITY PROOF EDGE PROTECTORS



Eren Ambalaj® offers Humidity Proof Edge Protectors;

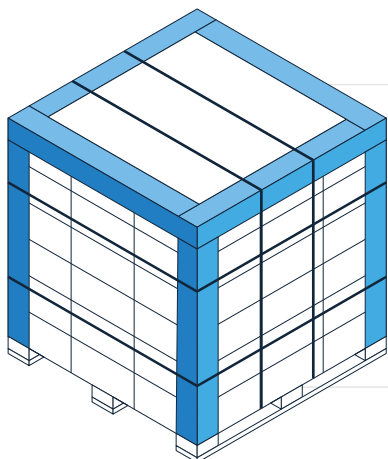
Eren Ambalaj® presents its Moisture Resistant Edge Protectors, a top-notch solution for safeguarding products in challenging conditions. These high-quality Cardboard Edge Protectors are particularly favored by fresh fruit and vegetable producers who require reliable storage options in cold storage facilities. Our humidity-proof Edge Protectors are meticulously crafted using the finest recycled cardboards and special adhesives, ensuring outstanding performance in terms of resistance, durability, and flexibility. They offer peace of mind to those seeking a guarantee for the safe transportation of their goods over long distances.

With these exceptional features, companies can expand their horizons and access distant markets with confidence. To add a personal touch, we offer the option to print your company logo or brand on the Edge Protectors. With the capability to print up to 6 colors, you can effectively showcase your brand identity and enhance your product presentation. Choose Eren Ambalaj's Moisture Resistant Edge Protectors for superior protection, reliable performance, and the opportunity to make a lasting impression with your customized branding.





WHY DO YOU NEED EDGE BOARD PROTECTION?

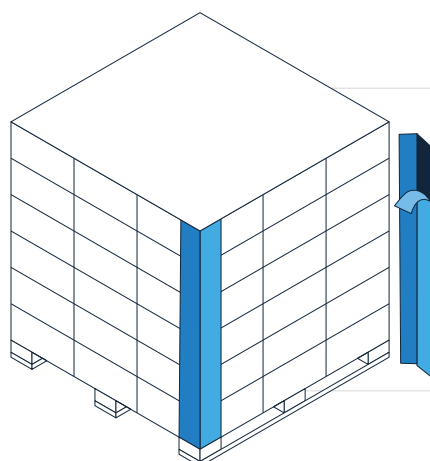
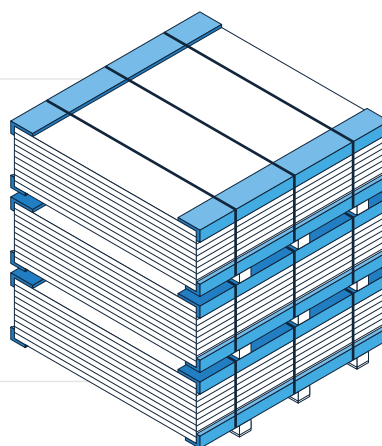


STACKING STRENGTH

Choosing the right edgeboards for strengthening units will enable you to optimise space by doublestacking.

PROTECTION OF EDGES

Edgeboards protect and support products during all handling operations.

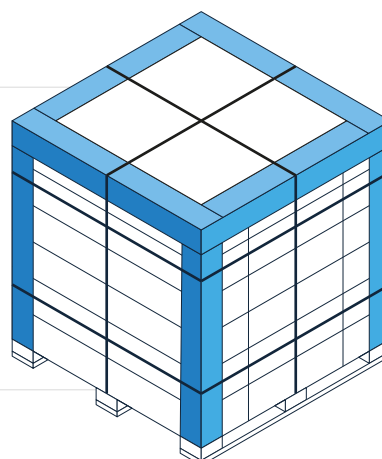


SELF ADHESIVE

The use of self-adhesive edge-board improves handling before final strapping is

PROTECTION OF EDGES

Edgeboards protect and support products during all handling operations.

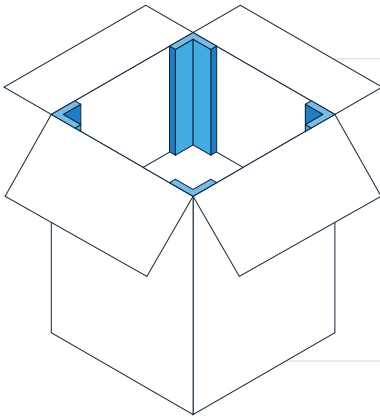
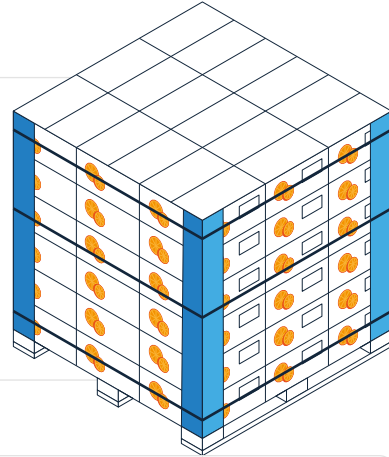


WHY DO YOU NEED EDGE BOARD PROTECTION?



VERTICAL PROTECTION

Edgeboards stabilise the pallets and provide protection during transport and warehousing.

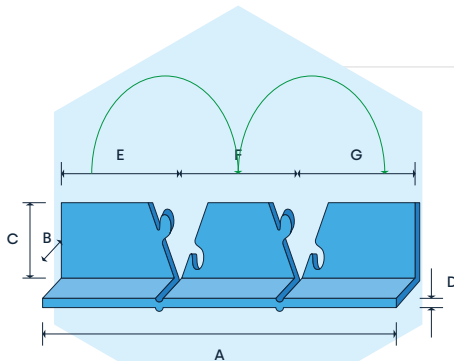
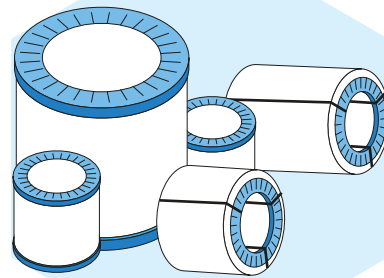


STRENGTHENING UNITS

The strength of a single package can be improved by reinforcing boxes internally with edgeboards.

WRAP AROUND BOARD

The flexible wrap-around edge-board is easy to use for inside or outside protection.



LOCKED EDGE BOARD

Provides an easy application with easiest locking system

SELF-ADHESIVE EDGE PROTECTORS



Cardboard edge protectors with self-adhesive tape provide a convenient and reliable solution for edge protection in various industries. Their ease of application, secure attachment, time and cost savings, versatility, customizable design, and consideration for environmental impact make them a practical choice for efficient and effective packaging.

SELF-ADHESIVE EDGE PROTECTORS



01

Easy Application

The self-adhesive tape feature eliminates the need for additional tools or materials for application. The adhesive is pre-applied to the edge protector, allowing for quick and easy attachment to the desired surface. Simply peel off the backing and adhere the edge protector to the edge or corner of the product.



02

Secure Attachment

The self-adhesive tape provides a strong and reliable bond between the edge protector and the product or packaging material. It ensures that the edge protector remains firmly in place, even during handling, stacking, or movement. This secure attachment enhances the overall stability and protection of the packaged items.

03

Time and Cost Savings

The self-adhesive tape eliminates the need for additional adhesives or fasteners, saving time and effort during the packaging process. It also reduces the cost associated with purchasing separate adhesives or tapes. The streamlined application process increases efficiency and productivity in packaging operations.



LOCKING SYSTEM EDGE PROTECTORS



Cardboard edge protectors with a locking system, also known as puzzle edge protectors, offer an innovative and secure solution for protecting the edges and corners of products during transportation and storage. Here is some key information about these specialized edge protectors.



LOCKING SYSTEM EDGE PROTECTORS



01

Locking System Design

Puzzle edge protectors feature a unique interlocking mechanism that securely connects multiple pieces together. This design creates a strong and stable protective barrier around the edges and corners of the product. The interlocking pieces fit together like a puzzle, ensuring a tight and reliable connection.



02

Easy Assembly

Puzzle edge protectors are designed for easy and quick assembly. The interlocking pieces fit together seamlessly, allowing for a hassle-free installation process. The intuitive design eliminates the need for additional adhesives, tapes, or fasteners, simplifying the packaging operation and saving time.

03

Reusability

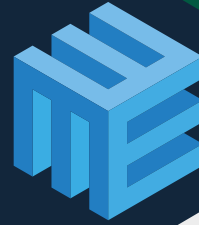
Puzzle edge protectors are often reusable due to their interlocking design. Once the packaging is unpacked, the edge protectors can be easily disassembled and stored for future use. This reusability feature helps reduce packaging waste and promotes sustainability.

WRAP AROUND EDGE PROTECTORS



Wrap around edge protectors are a packaging product that providing protection to cylindrical products such as paper, wire, sheet metal and cabling. It is easy to work with and apply to product rolls and can be used in conjunction with wrappers, headers or stretch wrap systems.

WRAP AROUND EDGE PROTECTORS



01 Cylindrical Protection
Designed to provide protection to cylindrical products

02 Easy to Apply
Material is easy to work with and apply to product rolls

03 Stabilized Design
Unique 90-degree fingers are pre-bent to lock against the roll

04 Improved Resistance
Provides resistance to tearing or crimping of roll edges



Features and Benefits

- Provides resistance to tearing or crimping of roll edges.
- Separates rolls from contact with truck, floor and walls.
- Provides buffer between rolls.
- Reduces abrasion and tearing.
- Easy to apply to roll product.

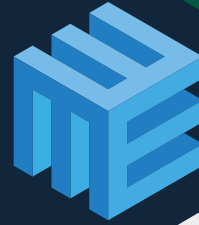


KRAFT SLIP SHEETS

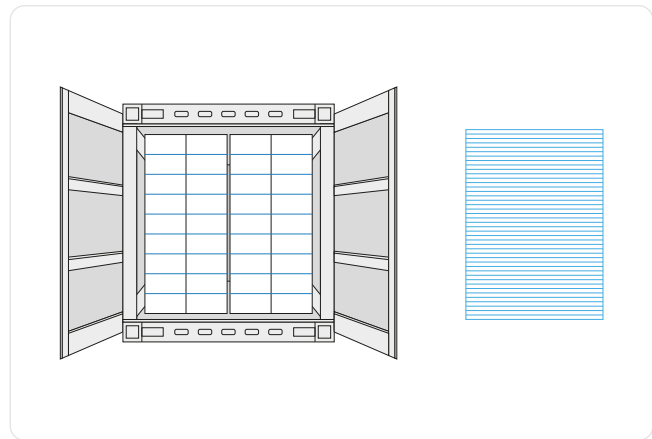
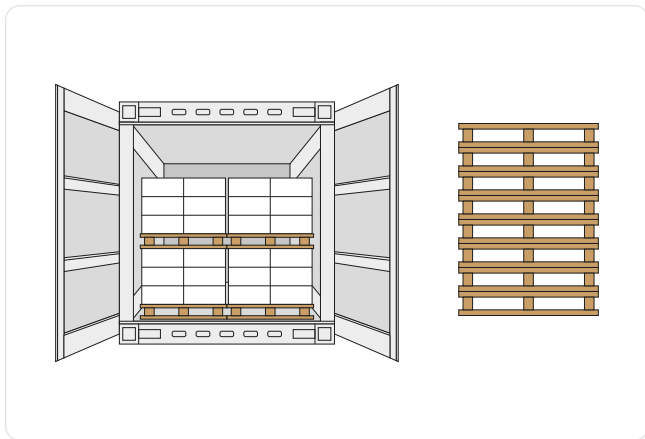


Kraft Slip Sheets are specialized packaging components that are designed to replace traditional wooden pallets in palletless pallet operations.

PALLETLESS PALLET OPERATIONS



Eren Ambalaj Slipsheet is an effective and efficient transportation method which is made of recycled high strength rigid solid boards. By having high breaking strength, they can be used instead of traditional wooden pallets. It's a product that can be easily and safely applied in all areas from warehouse transportations to overseas shipments.



SLIP SHEETS ADVANTAGES

- 100% recyclable and can be used again
- It saves transportation costs and provides a competitive advantage due to more loadable volume inside the Sea Containers & Trucks loadings.
- Much more cheaper & economical than wooden pallets
- It has no return costs, does not require administrative follow up and circulation control.
- There are no repair or maintenance costs. It's nail-free and does not damage the packaging.
- It is hygienic, does not require HEAT TREATMENT and suitable for export loadings.
- Can be used with wooden Pallet
- It is very easy to use with forklift attachment and it provides fast & safe palletless loadings and unloadings.
- The forklift with attachment can continue its normal operations with the wooden pallets, no replacement required.
- Increases occupational health and safety.
- A very good option instead of bulk loading. Decreases loading time by 3x-4x to Containers. No need to handling charge for manpower.



SPECIFICATIONS & DIMENSIONS



THICKNESS (mm)	WEIGHT (gr/m ²)	MAX LOADING CAPACITY (kgs)
0.5	500	Less than 500 kgs
0.6	550	500
0.8	650	700
1.0	800	1000
1.2	1000	1200
1.5	1250	1500
2.0	1800	1750

WIDTH (mm)	LENGTH (mm)	FLAPS (mm)
Max. 1300	As Requested	Min. 60

SLIPSHEET ON APPLICATION



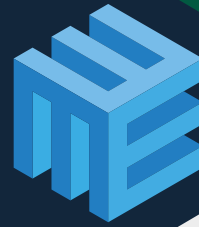


ANTI-SLIP PALLET SHEET & SOLID BOARD SHEET



Anti-slip pallet sheet is a specialized packaging material used to prevent slippage and movement of goods on pallets during storage and transportation. It is typically placed between the layers of products or between the products and the pallet to enhance stability and reduce the risk of damage.

ANTI-SLIP PALLET PAPERS

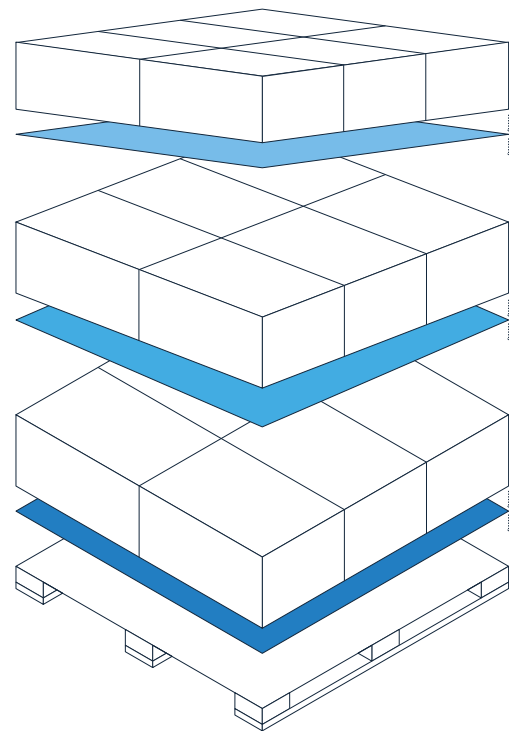


Anti-slip sheets are designed to enhance load stability and prevent slippage of products during transportation and storage. By providing increased friction and grip between stacked items and the container surface, they can minimize movement and eliminate the need for excessive use of pallet wraps.

Anti-Slip Paper Sheet / Grip Sheet effects to increase stability and safety of pallets by reducing or eliminating movement of damaged goods during shipment. These have been achieved by coating one /-or both sides of the paper. Anti-Slip Pallet Paper used between layers of goods is the perfect solution to stabilize your bags, cartons or any kind of packages. It will prevent your products from slipping during handling and transportation due to its high coefficient of friction

The main benefits are:

- Reduce costs related to damaged goods,
- Reduce work place accidents,
- Deductes the need for plastic stretch wrapping, strapping of palletized items (i.e. stretch wrap up to 70% less),
- Recyclable
- Reusable.





SOLID BOARD SHEETS

The thickness and quality of Solid board sheets are customized based on the specific requirements and intended use of customers. These sheets are laminated by layering papers of the same or different qualities. Additionally, it is possible to laminate the sheets with various colors or different types of paper. Furthermore, the sheets can be produced in custom dimensions as per the specific needs.

- White
- Kraft
- Grey
- Gold & Silver Metalized

NO	THICKNESS (mm)	WEIGHT (gr/m ²)
1	0.5	360
2	1	700
3	1.5	1050
4	2	1400
5	2.5	1750
6	3	2100
7	3.3	2300





COMPOSITE STRAP



Polyester Corded Composite Strapping is manufactured from co-extruded high tenacity polyester yarns embedded in a polymer coating. It is called polyester corded composite strapping due its composite structure.

COMPOSITE STRAP



Polyester Corded Textile (Hotmelt) Strap

Polyester corded textile (hotmelt) strap produced by combining high tenacity polyester yarns with hot glue (hot-melt glue method.) That is the reason why this strapping is called Hotmelt strapping.

The most important factor affecting system strength is the strength of the joint. Textile strapping joint strength reaches up to 60-80% and can be re-tensioned if necessary. Textile strapping comes in a wide range of dimensions. We have products that can be used, depending on the type of application and the weight of the pallet, in different widths (from 7mm up to 38mm) and in various breaking strengths (from 150 kgf up to 2400 kgf.)

Polyester Corded Composite Strap's

most important features:

- High strength
- Shock absorbent
- Does not get loose (high retained tension)
- Highly elastic and flexible
- No sharp edges that could damage your products
- Does not damage cargo
- Resistant to severe weather conditions and UV
- Cost-effective
- Light-weight
- Rust-proof, doesn't rust or corrode
- Resistant to chemicals
- Fast and easy to use
- Safe usage

Polyester Corded Woven Strapping

Polyester Corded Woven Strapping is produced by combining high tenacity polyester yarns in the narrow weaving machines and then passing them through the fixing process in order to achieve the requested strength, elongation, width and length.

Due to their practical use and cost effectiveness, they can be used for all kinds of products. The most important factor affecting system strength is the strength of the joint and strappings joint strength reaches up to 60-80% & can be re-tensioned if necessary.

Woven strapping comes in a wide range of dimensions. We have products that can be used, depending on the type of application and the weight of the pallet, in different widths (from 13mm up to 32mm) and in various breaking strengths (from 150 kgf up to 1350 kgf.)

APPLICATION AREAS

These straps are mainly used in:

- Aluminum and Facade Systems
- Chemical Industry
- Glass Industry
- Stone and Brick Industry
- Metal Industry
- Wood Products & Lumber Industry
- Parcel Packaging Sectors



PET & PP STRAP



Pet&PP Straps are made from PET/PP material and are designed to replace traditional steel strapping in certain applications due to their advantages, such as being lightweight, flexible, and rust-resistant. They are commonly used in industries like logistics, shipping, and transportation to secure and bundle items together for safe handling and transportation.

PET & PP STRAP



Pet Strap

PET Strapping can be used on loads requiring high, medium and low strength applications. They can be applied manually (with buckle) or with semi automatic (pneumatic or battery) strapping tools or used in fully automatic pallet strapping lines.

Being resistant to severe weather conditions, it shows long-lasting durability against adverse weather conditions (hot/cold/humid.) However, when exposed to sunlight, it loses its mechanical properties in a very short amount of time. For this reason, it should be stored in proper conditions and never be exposed to sunlight.

When PET strapping is used with semi automatic or with fully automatic machines, it is very safe against impacts during transportation. However, used with wire buckles and seals, system breaking strength becomes very low and therefore this is technically not a suggested method of application as the cargo may be damaged during transportation.

There are two types of PET strapping: smooth surface and embossed surface. Smooth straps have higher breaking and joint strength and stiffness than embossed straps.

APPLICATION AREAS

Usually used in fully automated conveyor belt systems, it offers the advantage of being swift and safe.

That is why it is widely used in:

- Ceramic industry
- Wood-chipboard production
- Lock cobblestones
- Concrete for the construction industry
- Predominantly preferred in the food industry

In addition to these areas, PET strapping is preferably used manually in other industries due to non-standard pallet measurements:

- Marble and granite production
- Aluminum, Metal industry
- Automotive
- Durable goods
- Automotive spare parts
- Bailing

PP Strap

PP Strapping is used in medium and low strength applications. It can be applied manually or with semi-automatic or fully automatic strapping machines.

It can be used manually with wire buckles, plastic buckles or seals. However, due to very low system breaking strength, it is recommended to be used only with loads that have a maximum pallet weight of no more than 250kg. Otherwise, cargo can be damaged during transport.

Resistance to climate conditions and sunlight is weak. It is preferably and mostly used with automatic and semi-automatic machines. When used with such application methods, parcel packages and light pallets can be strapped very fast and economically.

APPLICATION AREAS

These straps are mostly used for:

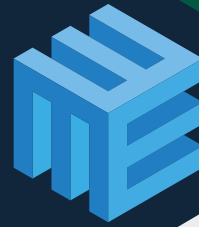
- Packaging of food products
- Bundling of light metal tubes
- Parcel packaging



ACCESSORIES



Packaging accessories like buckles and strap trolleys are used in conjunction with strapping materials (such as pet straps) to facilitate and enhance the process of securing and bundling items for transportation and storage. These accessories play a crucial role in ensuring that packages remain secure and stable during transit, reducing the risk of damage and ensuring the safe delivery of goods.



Buckles

The buckle is used to fix the pallet and the loads and to connect the two ends of the strap during the application of the strap. Buckles are also referred as wire buckles.

01 Phosphate Coated Buckles

The wire used to produce wire buckle is phosphate coated and that is why they are referred as such. They are used with Polyester Corded Textile (hotmelt) strapping and Polyester Corded Woven strapping applications.

02 Galvanized Buckles

The wire used to produce Wire Buckle is Galvanized and that is why they are referred as Galvanized Buckles.

Galvanized Buckles are used with Polyester Corded Composite Strapping and Polyester Corded Hotmelt (Textile) Strapping. They are also used with PET Strapping and PP Strapping applications. Although the System Strength of PET Strapping & buckle and PP Strapping & buckle combinations are not as strong as Composite Strapping & buckle combination, for light applications PET Strapping and PP Strapping are used manually with a Galvanized Buckle due to its ease of use.

Coil Dispenser

Strap coils are easily carried and pulled through coil cars. There are types suitable for each strapping type and for different core diameters.

Textile Strap Dispenser

For 76mm core without /- or with rollers

PET & Composite Strap Dispenser

For 400mm core with rollers & break

UNIVERSAL PET & PP & COMPOSITE Strap Dispenser

For 76, 150, 200, 400 mm Cores with break

Steel Strap Dispenser

With break suitable for 13mm, 16mm, 19mm, 25mm & 32mm with rollers

Corded Strap Manual Tensioner

Corded Strap Manual Tensioner for 13-16-19-25-32-40-50 mm





**COME TO OUR OFFICE FOR
MORE INFORMATION.**



Eren Ambalaj® A.S.
Yazıbaşı Mah. 9211. Sk. No:10/1
35875 Torbalı/İzmir

SAVE THE GREEN



+90 850 227 3736

info@erenambalaj.com.tr

www.erenambalaj.com.tr

Yazıbaşı Mah. 9211. Sk. No:10/1 35875 Torbalı/İzmir