

RIXIN PLASTIC INDUSTRIES

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RIXIN 日新
protective Material

RIXIN PLASTIC INDUSTRIES

Brief introduction Company

RIXIN PLASTIC INDUSTRIES LLC is a leading manufacturer of Surface Protection Tapes and Adhesive Films.

RIXIN offers a wide and varied range of over 100 highly developed Protection tapes and Adhesive Films. Our specifically engineered components allow customized solutions for individual surface protection needs.

RIXIN was setup in 2018 in the pristine northern region of United Arab Emirates (Umm Al Quwain) in a area spread over 30,000 sq. feet with a high technical and professional manufacturing facility of Protective Film Division collaborated with RIXIN in China having 30 years of owned Production and Research Centre.

RIXIN manufacturing facility includes manufacturing of films, adhesives, printing, coating, lamination and OEM facility for various customized demands.

Our Surface Protection Film solutions include:

- Surface protection tape up to 1600mm wide
- Solvent-based and water-based acrylic adhesive systems (in house manufacturing)
- Co-extruded protective films (in house film extrusion)
- Special bonding systems including thermal laminate film and corona treated films
- Customized printing and branding in multi-colors up to 1600mm wide
- RIXIN as one of the largest and most experienced suppliers in the gulf, we have an extensive portfolio of products to suit any surface requirement.
- Aluminum Profiles and Sheets Stainless Steel Sheets
- Pre Painted Metals & Coils
- Plastic, Acrylic and Polycarbonate sheet profiles
- Furniture Surfaces
- PVC profiles, Glass and Laminates Transportation



Protective Film

**Protective Film
(For PC,Acrylic&PVC Sheet)**

Applications:
adhere to the surface
of PC,
PMMA and ABS
Sheet to Protect the
brightness
and
cleanness
of the surface.

Process condition

① Process temperature 60-80°C ② Process Pressure:1-2Kg/ m²

TECHNICAL CHARACTERS

Project	Technical Parameters
Thickness	0.03-0.10±10%mm
Width	1000--1600±2mm
The intensity of tensility	≥10Mpa
Ultimate elongation	≥200%

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Protective Film

Surface Protection for Aluminum Composite Panel

Aluminium Composite Panel ACP is a highly sensitive metal which demands a high quality protective film. Years of experience in this field have made RIXIN PROTECTION the first choice for its ACP customers. We offers a wide range of protection films for the assured protection of soft, high quality, enhanced Aluminium Surfaces of Aluminium Composite Panels.

All our films guarantee reliable surface protection during roll forming, bending, sawing and heavy vacuum lifting. Our UV stabilized films guarantee easy removal, assured storage and outdoor utilization.

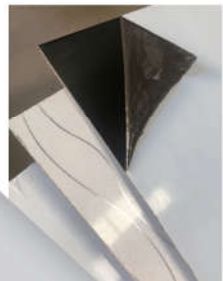
RIXIN are present in each and every industry including Sandwich Panels, ACP for construction, signage and painted aluminum profiles to name a few.

Standard applications traditionally utilize Transparent or Black and White films which are often custom printed to meet individual customer' s requirements.



Characteristics

Optimum Adhesion, maximum protection, Smooth production process, Clean removal, quality check throughout the process, Easy peel solution, Low unwind force and Secure application with functional design are few characteristics.



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TECHNICAL CHARACTERS

Description	Technical Specification
Film	Co-Extruded, UV stabilized, LDPE
Thickness	60 - 150 microns (based on requirements)
Color	Black/White,Transparent & Colored
Width	up to 1600 mm
Adhesive	Formulated Acrylic
Printability	up to 3 colors (also includes half toning)
Tensile Strength	≥ 10Mpa
Elongation	≥ 200%
Durability	depending upon application
Shelf life	6 - 12 months at room temperature in dry/clean environment in original packing

Technical Data is available upon request. The figures and data mentioned in TDS are means of test results and cannot be deemed as product specification. It remains at all time customers' responsibility to test the material before its intended application and ensure its suitability for the purposes. The life span of the material is on certain climatic conditions,its application and use. It diminishes in certain cases if the product has been exposed to outdoor aging or unintended use. It is understood that no responsibility attaches to EPPI for an incorrect utilization of its products. Warranty is limited on replacement of the products supplied and proved to be defective with the exclusion of any other indemnity, damages or interests



Technical Conditions

Heats two sides at the same time.

Process temperature 125--165°C

Adhesion time: 30Seconds

Adhesion pressure:4kg/cm²

Metal(aluminum)surface must be clear without any grease dust,water and other impurity.

Remark: please test adhesive strength after half an hour when the adhesive film is used in production, continue to use once the testing result is standard and satisfactory.

TECHNICAL CHARACTERS

Project	Technic Parameters	
Thickness	0.05±0.005mm	0.035±0.004mm
Width	1000--1600±3mm	1000--1600±3mm
The intensity of tensility	≥15Mpa	≥10Mpa
Ultimate elongation	≥300%	≥200%
The intensity of tears at the right angle	≥35N/mm	≥30N/mm
The intensity of peel off at 180°	≥7N/mm	≥5N/mm

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PLASTIC INDUSTRIES**

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Adhesive Film

Application of Aluminium Composite Panel

products specification
thickness: 0.03--0.1mm
width: 1000--1600mm

Adhesive film: it is to adhesion the plastic panel and aluminium panel in ACP production.

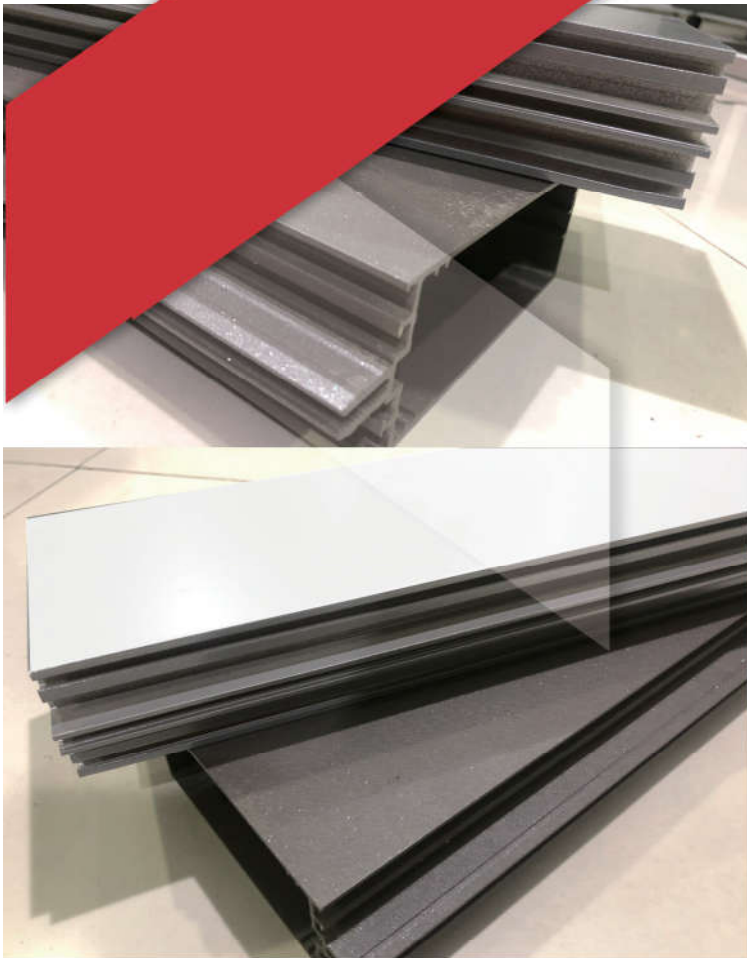
RI XIN adhesive film is made by special polymers or with PE films.

RI XIN adhesive film has strong adhesion with good durability, which can be used to bond all kinds of PE, PP, Nylon, Aluminium Material and Steel Products. Adhesive Technology supported by Rixin works as excellent bonding on steel and aluminium. The function of two sides of adhesion film are different, and also customized.

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RI XIN offers a wide range of protection films for the assured protection of soft, high quality, enhanced Aluminium Surfaces and Aluminium Extruded Profiles

Aluminium is a highly sensitive metal which demands a high quality protective film. Years of experience in this field have made RI XIN PROTECTION the first choice for its customers.

Examples include the protection of high gloss Aluminium for lighting reflectors, decorative moldings and many mirrored applications typically found in the aluminium fabrication, furniture and vehicle industries.

RI XIN PROTECTION offer protective films for both pressed and rolled Aluminium surfaces. Semi-gloss, high gloss, prepainted or anodized Aluminium' s are fully protected. Using traditional natural Acrylic adhesive, water-based adhesives with easy peel properties are commonly used.

Our practical innovations deliver increased process efficiency during removal as a result of their easy peel properties. RI XIN PROTECTION range offers you the optimum protective solution expertly matched to your processes and the requirements of your surfaces.

Surface Protection

TECHNICAL CHARACTERS

Description	Technical Specification
Film	Co-Extruded, UV stabilized, LDPE
Thickness	30 - 150 microns (based on requirements)
Color	Black/White, Black/Black, Transparent, White, Blue
Width	up to 1600 mm
Adhesive	Formulated Acrylic
Printability	up to 3 colors (also includes half toning)
Tensile Strength	≥ 10Mpa
Elongation	≥ 200%
Durability	depending upon application
Shelf life	6 - 12 months at room temperature in dry/clean environment in original packing

Characteristics

- Optimum Adhesion, maximum protection
- Smooth production process
- Clean removal, quality check throughout the process
- Easy peel solution
- Low unwind force
- Secure application with functional design

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Protective Film

Surface Protection for KYNAR / PVDF 2/3 Powder coats (Rough Surfaces)

RI XIN offers a wide range of protection films for protection of rough Aluminium and other surfaces. Examples include the protection of Kynar and PVDF 2 to 3 coats and also for very high rough surfaces requiring protection from scratch, dust, proofing and transpirational damages.

RI XIN PROTECTION offer protective films for coarse and brushy surfaces. Our practical innovations deliver increased process efficiency during removal as a result of their easy peel properties.

RI XIN PROTECTION range offers you the optimum protective solution expertly matched to your processes and the requirements of your surfaces.



Characteristics

Optimum Adhesion, maximum protection, Clean removal, quality check throughout the process, Low unwind force, Secure application with functional design.

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TECHNICAL CHARACTERS

Description	Technical Specification
Film	Co-Extruded, UV stabilized, LDPE
Thickness	80 - 150 microns (based on requirements)
Color	Black/White, Black/Black, Transparent, White
Width	up to 1600 mm
Adhesive	Formulated Acrylic
Printability	up to 3 colors (also includes half toning)
Elongation	≥ 200%
Durability	depending upon application
Shelf life	6 - 12 months at room temperature in dry/clean environment in original packing

Technical Data is available upon request. The figures and data mentioned in TDS are means of test results and cannot be deemed as product specification. It remains at all time customers' responsibility to test the material before its intended application and ensure its suitability for the purposes. The life span of the material is on certain climatic conditions, its application and use. It diminishes in certain cases if the product has been exposed to outdoor aging or unintended use. It is understood that no responsibility attaches to RIXIN for an incorrect utilization of its products. Warranty is limited on replacement of the products supplied and proved to be defective with the exclusion of any other indemnity, damages or interests