



**CRUSTAL produces protective** film for any kind of surface and thanks to our water-based products we do it with total respect to the environment!

### **CRYSTAL** SPECIALITY TAPES PRIVATE LIMITED



Established in the year 2000, **CRYSTAL** Specialty Tapes Private Limited, has become a professional and experienced manufacturer of adhesive tapes in West India. With the support of long term accumulated technique, highly advanced manufacturing machines with coating width up to 2250mm one of its kinds in India, equipments and customer-oriented design and service, we can provide Surface Protection Film and other relevant tapes with high quality & competitive price. As a professional manufacturer in West India, we are pursuing more economic scales and building a great commercial reputation in the domestic market. Consequently, our products are selling well in many states in India. Moreover, we are now ISO 9001:2008 Certified and we strictly

stick to a systematic, effective management and quality control systems with our in house laboratory, which will ensure us, build long term business relationships with customers all over the world, and we are advancing into the international market drastically

Following is our company structure:

- Department of production with fully equipped coating lines with printing facility
- Blending room for formulation of adhesives
- Cutting, slitting and packing department
- Research and Development laboratories

**CRUSTAL** works closely with its clients in providing technical assistance during and after the use of our products, and is dedicated to provide a prompt service to its clients and responding to all their needs. Our research and development department is focused on the continuous research of innovative products which are produced according to the highest standards and is constantly striving to approach new markets and applications.





AN ISO 9001:2008 COMPANY



### Removable Protective film: A tool to protect & preserve

We are all aware of the protective coloured fiches that are applied to protect T.V. screens, new household appliances or kitchen surfaces. Despite being very thin films they can protect the most delicate surfaces from damages. Think of all the wastage due to scratches, or the expensive polished finish to your surfaces.

**CRUSTAL** film will help you reduce your costs while keeping your finished products at their best. The extraordinary characteristic of our films is the ability to stick perfectly to the surfaces you need to protect throughout the production process (drawing, bending, profiling, cutting, laser cutting, post-forming). Our product can be easily discarded by simply peeling it off, leaving you with a perfect surface ready to use. In present society where the design, the colour and the final touch are all important elements for a product success.

### Superior Style comes from water

**CRUSTAL** motivated by a high sensitivity to the environment, has left behind from the beginning the common production process of solvent based products. Our products are exclusively produced in water based composition! This has been possible thanks to a strong investment of resources in the research & development, allowing us to produce a high quality protective film with excellent technical properties and at the same time totally environment friendly.

**CRUSTAL** is the only company in the field to realize all its product in base-water. In this way the emission of toxic substances in the atmosphere is reduced to the simple water vapor, guaranteeing the well-being of the workers and end-users. Therefore less reactions and zero pollution: the true power of technology **CRUSTAL** 





AN ISO 9001:2008 COMPANY

### **COATED METALS**

Metals Pre-painted, Laminates, Panels, Sylicon Paintings, Low-Medium-High Gloss, Stainless Steel Galvanized, Anodized, Aluminium Mirror Finishing, Specular Finishing, Profiles.

### UNCOATED METALS

Stainless Steel Matt, Polished, Bright, Aluminium Matt, Polished, Bright, Painted Aluminium,

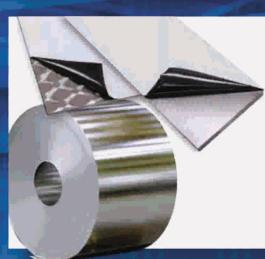
### PLASTIC

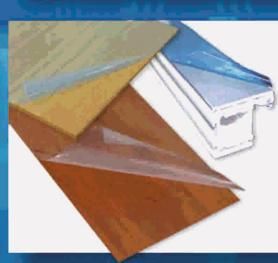
Laminates, Paitend, PVC Profiles, Soft/Hard PVC Sheets, Polycarbonate, Metacrylate.

### **SPECIALITIES**

Window protector, Carpet protector, Automotive, Over Lapping, Laser Cutting, Deep-Drawing, Application Tape.

**CRYSTAL** self-adhesive films for the protection of sensitive surfaces against dirt and scratches during the whole production process.





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TABI			ACRILIC										R U B B E R											
NO	Minimum Thickness In My <sup>i</sup>	40	40	40	40	40	40	40	40	50	100	40	40	40	50	50	50	50	40	40	60	80	80	100
ATI	Outdoor Application <sup>2</sup>	Q <sub>(3)</sub>	۵ <sup>(3)</sup>	۵ <sup>(3)</sup>	0 <sup>(3)</sup>	۵ <sup>(3)</sup>	Q <sup>(3)</sup>	۵ <sup>(3)</sup>	۵ <sup>(3)</sup>	۵ <sup>(3)</sup>	۵ <sup>(3)</sup>	Ŏ <sup>(3)</sup>	0 <sup>(3)</sup>	۵ <sup>(3)</sup>	Q <sup>(3)</sup>	0 <sup>(3)</sup>	0 <sup>(3)</sup>	0 <sup>(3)</sup>	Å <sup>(3)</sup>	۵ <sup>(3)</sup>	۵ <sup>(3)</sup>	۵ <sup>(3)</sup>	Q <sup>(3)</sup>	Ŏ <sup>(3)</sup>
APPLICATION TABL	CRYSTAL Article Nr.	C40/1A	C40/2A	C40/2A2	C40/3A2	C40/4A2	C40/2E2	C40/3E	C40/4E	C50/5E	C100-5E	C40/3C1	C40/4C1	C40/5C1	C50/6C1	C50/7C1	C50/EEP	C50/EP	C40/1G	C40/2G	C60/3G	C80/4G	C80/5G	C100/5G
	Adhesive Strength <sup>3</sup>	L	L	L/M	м	M/H	M/H	M/H	н	н	Н	Н	н	Н	н	Н	L	L	L	L	M/H	н	н	Н
	Colour	Transparent or coloured	Black and White	Black and White	Black and White	Black and White																		
COA.	<b>FED METALS</b>																							
	Coated Metals high Gloss	۵	٠														٠	•	•	٠				
	Coated Metals medium Gloss			٠	٠	٠													٠	٠	•			
	Coated Metals low Gloss				۵	٠	۵	٠												٠	٠	٠	٠	
	Coated Metals Mat /Textured						۲	۵			۵	۲	٠											
UNC	OATED METALS																							
	Bright Finished	۵	٠																٠	٠				
	Mat Finished				٠	٠														٠	•	٠	٠	
	Stainless Steel - BA	۵	۵	۵																٠				
	Aluminium anodized	۵	٠	٠															•	٠	٠	٠	٠	
	Laser Cutting																							•
PLAS	STIC																							
	Acrylate plates	۵	۵	۵	۵											٢								
	Polycarbonates - Bright	۵	٠														٠	٠						
	Polycarbonates - Glossy		٠	٠													٠	٠						
	Polycarbonates - Mat				٠	٠			٠	٠		٠	٠											
	PVC pro les/plates			٠	٠																٠			
	Melamines - Mat			٠	٠	٠			٠	٠														
	Melamines - Brightio	٠	٠	٠															•	•				
	Synth. Marble			٠	۵	١																		
SPEC	CIALITIES																							
	TEXTILES - Carpet											۲	٠	٠	۲	٠								
	TEXTILES - Automotive											٠	•	٠	۲	۲								
	Glass - Industrial		٠	٠	٠												٠	٠						
	Glass - Windows			٠	٠	٠																		
	Wood / Furniture						٠	٠	٠	٠														
	Application-Tape										٠													
	Glass - General		٠		٠																			
	Decorative Laminates		٠		٠	٠									٠	٠	٠							
	Al. composite Panel																		•	•	•	•	•	•

Minimum thickness in My = also available up to 150 my

(2) Outdoor application.
1 = Up to 6 months UV and weather resistant.
2 = Limited UV resistance up to 1-2 months.
3 = Only for indoor application - NOT UV resistant.
DETAILS ON REQUEST
(3) Adhesion:
L = Low
M = Medium
H = High

= These products are recommended under normal conditions.

We suggest to our customers an evaluation trial to confirm the suitability use of this product and to contact our technical department.

Standard length = 1000mt up to 2000 mt Standard width 1250mm upto 2250mm



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#### PRODUCT: B.O.P.P. PACKGING TAPE (COLOUR & TRN)

Description : A quality product which is totally odourless which make them to ideal choice for packing & sealing of Pharmaceuticals, Food products and a host of other consumer products. It is impervious to dust, moisture, Liquids and is resistant to most acids, alkalis, fungi, and other corrosive elements. We can print any custom designed message on it like ' HANDLE WITH CARE', ' FRAGILE', or the company's LOGOS and names.

#### **Applications:**

Applicable for Packing & Sealing for Corrugated Boxes, Stationery purpose as well as household use. It ensures fast application & trouble free dispensing.

Dimensions:		
Width	:	25 mm, ONWARDS
Length	:	65 mtrs
Core Dia	:	76 I D Paper Core
Technical Specification	on	5:
Backing	:	B.O.P.P. Film
Color	:	Crystal Clear Transparent / Color/Printed
Thickness	:	25 mic
Total Thickness	:	45 mic
Liner	:	N.A.
Type of Adhesive	:	Water Based Acrylic
Shear Strength	:	< 12hrs @ 27 º C
Adhesion to Steel	:	350 to 400gms / 25 mm
Elongation at Break	:	110 %
Tensile Strength	1	4.5 Kg / 25 mm
Service Temperature	-	- 10 º C to 110 º C
B.D.V. Test	:	N.A.

Always ensure that the surface of application of tape is clean and free from dust and oil.

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#### **PRODUCT: D / S TISSUE TAPE**

Description: This tape can be just called as "ready to use adhesive tape" in roll form. The tape have adhesive coated to the both sides of the barrier i.e. tissue paper. It is much more useful in bonding two surfaces on semi permanent basis or in some cases for permanent basis.

Applications:Bonds most material like metal, plastic, Cloth, Expanded Foam etc. Ideal for bonding decorative items on various smooth surfaces & bonding of household electrical appliances, Polybags permanent bag closures, mounting of novelties, Membrane keyboard, joining foams, trims in automobiles, metal labels, splicing of paper and synthetic films.

Dimensions:	- 30	
Width	:	6 mm TO 1250 mm
Length	:	50mtrs
Core Dia	:	76 mm I D Paper Core
Technical Specificat	tion	s:
Backing	:	Tissue Paper
Color	:	Transparent
Thickness	:	0.035 mm
Total Thickness	:	0.010 to 0.011 mm
Liner	:	Paper Liner
Type of Adhesive 🥥	1	HOT MELT Adhesive
Shear Strength	:	< 10 hrs @ 27 º C
Adhesion to Steel	:	Side A: 800 to 900gms / 25 mm Side B: 700 – 800 gms / 25 mm
Elongation at Break		Elongation at Break : 15 %
Tensile Strength	:	Tensile Strength : 2 Kg / 25 mm
Service Temperatur	e:	Service Temperature : -10 to + 110 ° C
B.D.V. Test	:	B.D.V. Test : N.A.

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#### **PRODUCT: WATERPROOF CLOTH TAPE**

Description:

A versatile waterproof cloth tape, with outstanding resistance and toughness. The product has very good shelf life, high tensile strength, and good abrasion resistance.

Applications:

The tapes are widely being used for key applications like flexo printing cylinders, sealing, etc.

:	12 mm, ONWARDS
:	25 mtrs / 50 mtrs
:	76 I D Paper Core
ons	5:
:	Cotton Cloth
:	White
:	0.19 mm
:	0.26 mm
:	N.A.
:	Rubber Based Adhesive
:	< 2.5 hrs @ 27 º C
:	450 to 400gms / 25 mm
:	25 %
:	7.5 Kg / 25 mm
:	40 º C to 110 º C
:	N.A.
	: : : : : : : : : : : : : :

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#### **PRODUCT: MASKING PAPER TAPE**

Description:Using imported crepe paper, which resists synthetic and acrylic paints, water, oil and solvents and specially developed adhesive to resist high temperature the application of this tape are very much useful in automobile industries. Applications:

For masking in paint shops, other kinds of masking application and also used for Specialty packaging, General purpose packing, Surface protection, Sack sealing, etc.

Dimensions:		
Width	:	12 mm, 25 mm ONWARDS
Length	:	45 mtrs
Core Dia	:	76 I D Paper Core
Technical Specification	ons	:
Backing	:	Crepe Paper
Color	:	lvory
Thickness	:	60 mic.
Total Thickness	:	140 mic
Liner	:	N.A.
Type of Adhesive	:	Modified Acrylic, Rubber Based
Shear Strength	:	< 4hrs @ 27 º C
Adhesion to Steel	:	Side A: 750 - 850gms / 25 mm
Elongation at Break	:	5 %
Tensile Strength	:	4 Kg / 25 mm
Service Temperature	:	130 deg C.
B.D.V. Test	:	N.A.

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#### PRODUCT: ALUMINUM FOIL TAPE (S/W)

#### **DESCRIPTION:**

A soft, ductile Aluminium foil in various thicknesses is used for this tape. Being soft and light in weight it is easy to handle. As it prevents heating as well as cooling losses the application of this tape comes both in thermal and air conditioning applications. Can be easily die-cut for applications in audio systems, PCBs and other electronic devices as well as automobile industries.

#### **APPLICATIONS:**

On Air-conditioner ducts, Steam pipes, solar devices etc. Die-cut applications in electronic industry. Perfect moisture & vapour barrier, Radiation prevention, Decoration purpose, Heat resistant, Masking in Powder Coating, Shielding in Elec. Industries, Aircraft paint stripping, etc.

Dimensions:	1	
Width	:	12.5mm to 600 mm
Length	:	2.5 meters
Core Dia	:	76 mm
Technical Specificati	ions	:
Backing	:	Soft Aluminum Foil
Color	:	Natural Aluminum
Thickness	:	30 mic.
Total Thickness	:	0.060mm
Liner	:	Paper Liner
Type of Adhesive	:	Modified Acrylic, Rubber Based
Shear Strength	:	< 4hrs @ 27 º C
Adhesion to Steel	:	Side A: 750 - 850gms / 25 mm
Elongation at Break	:	5 %
Tensile Strength	: \	4 Kg / 25 mm
Service Temperature	e :	130 deg C.
B.D.V. Test	:	N.A.

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#### **PRODUCT: D / S CLOTH TAPE**

#### **DESCRIPTION:**

A double-faced tape based on cotton fabrics with very high tack adhesive. An interlinear is laminated to one face of the tape to help application of the tape. Being a cloth very flexible the applications of this tape is very high. **APPLICATIONS:** 

Useful in mounting of Stereo in Flexo graphic Printing, Textile Printing, Carpet Fixing, Holding of Plastic Articles, etc.

Dimensions:		
Width	:	12mm
Length	:	25 meters
Core Dia	:	76 mm
Technical Specificati	on	s:
Backing	:	White Cotton Cloth
Color	:	Off White
Thickness	:	285 mm
Total Thickness	:	0.300mm
Liner	:	Paper / PET Film
Type of Adhesive	:	Mod <mark>ified Acrylic, Rubber Based and Acrylic and Acrylic and Acrylic and Acrylic and Acrylic and Acrylic and Acry</mark>
Shear Strength	:	< 4hrs @ 27 º C
Adhesion to Steel	:	Side A: 800 to 1000 gms/25 mm Side B: 800 to 1000 gms / 25 mm
Elongation at Break	:	5 %
Tensile Strength	:	4 Kg / 25 mm
Service Temperature	:	-10 to + 150 ° C
B.D.V. Te <mark>st</mark>	:	N.A.

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#### PRODUCT: CROSS-LINKED P.E. FOAM TAPE (GASKET)

#### **DESCRIPTION:**

A very high tack, high bond tape for general purpose bonding applications. Finds good use in manufacture of household items. Can be easily die-cut into desired shapes. Available in a choice of liners- siliconised paper or siliconised Pet film.

### APPLICATIONS:

Sticking household items. Die-cut shapes. For cautioning, sound damping, insulation and similar applications. Perfect moisture & vapor barrier, Radiation prevention, Heat resistant. Applied as a gasket ting in industrial panels & glass doors.

Dimensions:		
Width	:	From 5mm Onwards
Length	:	1mtrs, 2 mtrs, 4 mtrs, 6 mtrs
Core Dia	:	38 mm / 76 I D Paper Core
Technical Specificati	ons	5:
Backing	:	P.E. Cross-Linked Foam
Color	:	White / Black
Thickness	:	1mm, 1.5mm, 3mm, 4mm, 5mm, 6mm, 10mm
Total Thickness	:	0.065 mm
Liner	:	Paper / PET Film
Type of Adhesive	:	Solvent Based Acrylic / Rubber Based
Shear Strength	:	< 4hrs @ 27 º C
Adhesion to Steel	20	4 Kg / 25 mm
Elongation at Break	:	-10 to + 150 ° C
Tensile Strength	:	7.5 Kg. per 25mm
Service Temperature	:	-40 to + 150 ° C
B.D.V. Test	:	N.A.

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#### **PRODUCT: L. D. SURFACE PROTECTION TAPES**

**DESCRIPTION:** A self adhesive tape, specially formulated low-tack adhesive, which is water based with acrylic. L.D.P.E. Film is used as a Backing for this Tape because of its high elongation and low tensile properties. We can offer **APPLICATIONS:** 

The name itself suggests the main application of this Tape. It is useful for protect Surface of Metal Sheets, PVC Foam Sheets, Formica, Wood, Aluminium, Precoated Metal Sheets and Rolls, Acrylic sheets, Glass, ABS Plastics and many surfaces. This Tape Protects the all above surfaces from the DUST, SCRATCHES, CRACKS, WATER, SOLVENTS, OILS etc. It can produce in various varieties in Colours and Tack such as Low-Tack, Medium-Tack, and High-Tack as per the end application of the Customers.

Dimensions:			
Width	:	25 mm Onwards	
Length	:	100mtrs	
Core Dia	:	76 I D Paper Core	
Technical Specificati	on	s:	
Backing	:	L.D.P.E. FILM	
Color	:	Translucent / Milky Wl	nite
Thickness	:	0.400 / 0.500 / 0.600 r	nm
Total Thickness	:	415 / .520 / .625 mm	
Liner	:	Not Applicable	
Type of Adhesive	:	Modified Water Based	Acrylic ( Non Toxic )
Shear Strength	:	< 1hrs @ 27 º C	
Adhesion to Steel	:	0.50 to 200gms / 25 m	m, as per req.
Elongation at Break	:	More Than 50 %	
Tensile Strength	:	1.5 Kg / 25 mm	
Service Temperature	:	СВ	
B.D.V. Test	:	N.A.	

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#### SELF ADHESIVE PROTECTION FILM

- 1. Carpet protection film
- 2. Hard floor protection film
- 3. Window/Glass protection film

#### **DESCRIPTION:**

Puncture resistant self-adhesive film for temporary protection of carpets/hard floor and glass or window against dirt and spills
Leaves no residue when peeled from surface for upto 45days

3) It safeguards floor from spills, stains, and soiling, making it ideal for remodelling, construction, moving industries

#### **SPECIFICATION:**

Width & Length 600mm x 25mtrs 600mm x 50mtrs 600mm x 100mtrs Wound :Forward or Reverse as desired Color Clear /Yellow Tint/Red Tint/Blue Tint Can be offered in Various sizes and length



#### **INSTRUCTIONS FOR APPLICATION:**

1. Prepare the Surface:\* Ensure the surface is clean and free of dust and debris.

2. Cut the Film:\* Measure the area you wish to protect and cut the film to the desired length, leaving an extra inch or two for overlap on each side.

3. Peel and Stick:\* Remove the film to expose the adhesive side. Start at one end of and gently press the film down, allowing it to adhere smoothly as you unroll it across the surface. It's crucial to avoid air bubbles or wrinkles.

4. Secure the Edges:\* Once the film is in place, use a roller or a similar tool to firmly press down the edges and seams to ensure a secure bond.

- 5. Trim Excess:\* Trim any excess film using a utility knife or scissors for a neat finish.
- 6. Use with Caution:\* Walk on the protected area carefully, especially just after application, to allow the adhesive to set.

#### **REMOVAL:**

- 1. To remove the film, gently lift a corner or edge.
- 2. Pull the film back slowly and evenly, keeping it at a low angle to avoid tearing.
- 3. Dispose of the used film properly.

Remember that the removal process should be as easy as the application, leaving your surface in excellent condition.



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