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What is Tedlar[®]?

Tedlar[®] is a DuPont registered trademark for a **highly versatile polyvinyl fluoride (PVF) film** that provides a long-lasting finish to a wide variety of surfaces exposed to harsh environments; while its inert, non-stick properties make it an excellent release film.





Why Tedlar[®]?

- ✓ Cleanability
- ✓ Chemical/solvent resistant
- ✓ Stain/graffiti resistant
- ✓ Excellent flame & smoke rating
- ✓ Long term protection
- ✓ Endurable style

Interiors

- ✓ Excellent formability
- ✓ Does not support the growth of Mold and Mildew
- ✓ Heat sealable
- ✓ Ink & print receptive

- ✓ UV & weather stability
 ✓ Chemical resistance
 ✓ Stain/dirt resistant
 ✓ Temperature stability
 ✓ Colour stability
 ✓ Colour stability
 ✓ Range of surface gloss
 ✓ Low toxicity & volatiles
 ✓ Bendability
- ✓ Low gas/ vapor permeability

Tedlar

✓ Sound transmitting

Exterio

Tedlar[®] PVF Applications Proven applications, globally, for over 50 years

















Tedlar® PVF Films, Dispersions & Polymers: Demonstrated Substrates & Commercial Applications

Tedlar® Products, Application Process	Substrates that Tedlar® is Applied to…	Applications / Uses
Tedlar® PVF Films & Adhesives, via Lamination	PET	Solar panel backsheets, automotive brightwork
	Steel	Building roofing, siding, etc.
	Aluminum	Building Siding
	Poly (vinyl chloride) a.k.a. "Vinyl "	Sports domes, tents, wallpaper, signage & graphics, awnings, automotive trims, passenger rails
	Engineering thermoplastics (ABS, polycarbonate)	Hard signs, touch membranes, thermoformed parts, aerospace, skylights
	Aramid (Nomex [®] , Epoxy and phenolic)	Aerospace panels
	Fiberglass reinforced plywood panels (FRP)	Truck bodies
	Glass reinforced plastic panels (GRP)	Greenhouses, skylights, building panels, electric utility boxes, radome panels
	Scrims	Reinforcement for insulation liners in aerospace
	Foil	PV, pipe jacketing
	Urethane & Vinyl	Roofing, aerostats/blimps
	Dacron™ & Mylar® PET	Sailcloth protection (marine)
	Bitumen	Low angle roofing
	Tedlar [®] PVF film	Heat seal to create envelopes for gas sampling, acoustical wraps, insulation bags, (Bridge) cable wraps
Tedlar [®] PVF Dispersions or Polymers, via Coating	PET	Solar panel backsheets, release films, etc.
	PVDF	Chrome-look surfaces (automobiles, rail, appliances)
	Steel	Brake fluid tubing, architectural panels

Architectural fabrics (tents, domes, etc.)

Fabrics

Building and Construction Applications: Exteriors

Tedlar® protective film helps extend the look and life of your design, even in the most extreme environments. From severe weather to harsh chemicals, Tedlar® protective film provides long-term durability and performance.

Application Areas:

- Curtain walls
- Formed or flat metal building panels
- Roofing
- Siding, trims and accents
- Indoor and outdoor fabrics
- Flexible laminates for air-inflated structures, canopies, awnings and stadium domes
- Highway sound barriers
- Pipe and vessel jacketing



Tedlar® Exterior Installation

Tedlar® on metal lamination installed on roofing & curtain walls

Building: Samsan Gymnasium Location: Incheon, South Korea Tedlar[®] surface: 10,484 m2







Building and Construction Applications: Interiors

Tedlar® protective films do not support mold, mildew growth or bacteria, providing superior surface protection in even the most extreme and high-traffic environments. Additionally, Tedlar® is impervious to harsh chemicals like bleach and easy to clean.

Tedlar® protective film can easily be applied to a range of surfaces, providing the flexibility to design your way, and the surface performance to keep it that way.

Typical Applications Include:

• Tedlar™ Wallcoverings

Wall paneling

• Furniture

HVAC

- Healthcare applications
- Acoustical and ceiling panels
- Flooring
- Doors and window frames

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Tedlar™ Wallcoverings & Wall Paneling: Installations



Commercial Passenger Aircraft Applications

Tedlar® has protected the interiors of aircraft since 1964 and continues to be an industry standard today.

Tedlar® was specified in commercial aircrafts due to its high standards of nonflammability. It is certified by FAA and EASA with excellent fire resistance properties.

Tedlar® continues to be used because of its durability. Aircraft interiors see thousands of passengers over years and stay looking clean year after year.

Interiors

- Sidewalls
- Stow bins
- Window shades
- Ceiling panels
- Partitions
- Monuments
- Galleys
- Lavatories
- Closets

<u>Secondary</u> <u>Structures</u>

- Landing gear bay
- Insulation Blankets
- Cargo protection
- Labeling
- Composite release
- Composite protection















Tedlar



Passenger Rail Applications

Similar to aircraft, passenger rail sees similar traffic flow of customers through the doors daily.

The overall durability, stain resistance, and cleanability make Tedlar® ideal for many different areas inside and outside a rail car.

Tedlar® has great thermoformability making it ideal for manufacturing interior sidewalls.

Tedlar® is resistant to mold and mildew.

Application Areas:

- Sidewalls
- Doors
- Ceiling panels
- Lavatories
- Closets
- Even HVAC

- Seats casing and backsides
- Partitions
- Galleys
- Graphics and signage
- Interior insultation







Tedlar

Graphic Signage Applications

Tedlar® Graphic Film (TGP) Film

Is the ideal surfacing material for graffiti resistance and protection against fading and corrosion.

Why Tedlar® TGP Film?

- Weather/UV resistant up to 10 years
- Outstanding graffiti resistance
- Long-tern protection of brand message
- Impervious to harsh chemicals and atmospheric pollution





Other Applications

Gas Sample Bags:

Resistance to gas permeation along with chemical inertness to maintain sample integrity

Composite Release:

High-performance release for various compounds including fiber-reinforced polymer (C/FRP)

Transfer Printing:

Excellent printability and release from rubber and metal











Tedlar[®] PVF Film Applications Circa 1963



Top methors of the company's decal transfers, signs and markets are a DuPont's polyvizyl-fluoride plastic film tradouarked Tediar. These signs have a pressure-sensitive adhesive to apply without water as dissessed. They are made to aportification for product identification. Instiresolutions, prevaluations labels, Available to order in costabilities behind the color printing, embound background under the encoth top surface, reflective and ultravioletabsorptive materials.

The plastic top surface has a useful service hite at years or raise. Weather resistance is its prime characteria Properties previously described IEN-127-63 include net ance to crucking, cruzing, staining and chalking. It is to chemicals, funce and selvents. It is trough, about resistant and flexible ever a temperature surge of -10 +325 degrees F.

METAL BUILDING

Scotch tape Y-905T.

consists of Tedlar

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NUMBER OF TAXABLE PARTY.

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The new tape adheres.

struction surfaces.

In and a prosure

surfaced with DuPont Tedlar PVF film

by a special adhesive. Estimated life is 25 or more years.

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Finish on metal

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Searce: Dorothome Decilements Company 1215 Ris Visti Avit, Dept. HIN, Los Aspeles 23, Ca

Augmented in February, 1953, inced

WEATHER RESISTANT TAPE

based upon DuPost Tedlar PVF film

to rastal, ashestor-segment and overlaid ply sood-surfaces as

well as to Todhar-surface products. It remains tough and

Hewible over a temperature mange from -60 to ±300 dag. W.

Bosistance to wouthering and chemical attack in excellent.

Thickness is 3.5 mills, teasile strength is 22 ib. per ia. af

width, adhesions strength is 47 or. per in., yield point far

sordoresability is 13 lb, per inch. Color is white or gray.

Application is in standard dispenses (Restorted) which

Sources Minnesets Mining & Mig. Corporation

2501 Hadam Road, Dept. HIN, St. Paul 19, Minn.

the company can supply.

accomposition a coaridotable account of particularity

INSULATION JACKET surfaced with DuPont Tedlar PVF film



Ashenne felt, covered with a film of Tedlar pelivingly flastide, forms new short m substant on parts, taken and ware himder pass the advect As alastanic achieve bonds Eds. Exceptional resistance to The material also is resultant perce, rapore and altitiviolet la Application is over most including glass fiber, within afficate. The material staple with a provers-sensitive tap Toughtees and flexibility ov -50 to +300 deg. F. numbers shedy dirt, please readily. A wide, about 187 D. king, Shi Sources Robereid Congan-733 Third Are., Dept. IE



then the other is comsidershie temperature narge, withstands forming operations on the abarranan short, makes any finishing operation amecessisty for years.

Celers an objec. Falls guy and falls group with mediam plass. Teellar Elichnem is 2 mile nomical, Metal thickness at present is 0.024 and 0.012 keck. Width at present in 3 to

ith to 60 Inches. surfaced with DuPont Tedlar PVF film



FIBERGLASS PANELS

to weathering, encous chemical-entirest surface that shoks dirt and resists studing. Bendoliky and fire resistance over an extended temperature range, are features. The material is supplied in plain and enon-corregated poll fator. Width is to sill in, and longth is in excess of 100 feet. Panels also are available.

Source: Fiber Glass Plastic, Inc. 7395 N. W. 34h CL. Dept. IEN, Miurei 47, Ph.

ROOF MATERIAL surfaced with DuPost Tedlar PVF film Cell stack and cutreceitance to-longth pieces are Colors at offered in alloys 3105 Sources and 3003 prefinished 333 TB surfaced with DuPost Tedlar PVF film. with Tedias polyviroit flaoride achiered permanually in place. This surface film has exceptional constance. to weathering and chomical attack. It is

Weklwood plywood with a special achievise. Properties

include atteillent sinistance to scalight and weathering. apperior resistance in physics and furnes, strength and ability to clean readily. Four fade-resistant colors are ubite. gray, groen and yellow. The new building material will be produced in standard dimensions. Searce: United States Phywroid Corporation

35 W. 44th SL. Dept. IEN, New York 36, N. Y.







years or more. It carries the designation of T/NA-200. Application is by statistical hot or cold adhenive on a radiable or non-matlable flat or story-pitch roof dock. The place, slightly overlapping an edge strip. The new material s slassic, pliable, light in weight and extremely weatherresistant. Ends and side laps are scaled by a pressureresultive tape of the same Tedlar film. Its amonth surface resists adhesion of dirt. A standard roll of 500 sp. ft

PLYWOOD SIDING



No painting for a minimum of 15 years is preliminary guistastee on new prelio. ished physicial siding. prinarily for posidential buildings, Book of the countries of the surface film of Tediar polysingl finantile, hooded to

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upond the analable the next few months.

York 17, N. Y.



WHAT HERE THERE. Excellent resistance.



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