



DUPONT™ INOVIS™ WALLCOVERINGS

FABRIC-BASED WALLCOVERINGS DATASHEET - PLATINUM / ELITE

INTRODUCTION

Developed in 1948, DuPont™ surface protection technology has been used in many market applications ranging from automotive components, bus, train, aircraft interiors and fleet graphic to building surface protection. The latest application is now available on wallcoverings. Manufactured with DuPont™ surface protection technology, DuPont™ Inovis™ Wallcoverings are among the highest performing wallcoverings on the market. The outstanding functionalities include stain resistance, cleanability and durability while preventing scratches from patterns damage to retain long-term aesthetics, newness and endurance of the wallcoverings.

SPECIFICATIONS

Items	Platinum Series		Elite Series
	Type I	Type II	
Width	26"/27" (66/69cm)	52"/54" (132/137cm)	92cm
Length	10m	30 yard (27.4m)	10m
Size	6.6-6.9 m ²	36.2/37.5 m ²	9.2 m ²
Weight	Available in both type below: 15oz per LY (approx. 0.36kg/sqm) 20oz Per LY (approx. 0.47kg/sqm)		15 oz. Per LY
Backing	OSNABURG/ NON WOVEN (Depending on the actual pattern)		OSNABURG

Note: Different pattern and batch will have subtle size and weight variance.

PACKAGING

- **PLATINUM:** Independent packaging of each roll
- **ELITE:** 4 rolls per case

Note: Installation instruction is enclosed with each roll.

PRODUCT PERFORMANCE

Items	Code & Standard	Test Institute	Results
Quality and appearance	QB/T 4034-2010	Shanghai Institute of Quality Inspection and Technical Research	Pass
Hazardous Substances	GB 18585-2001	SGS-CSTC Standards Technical Services Co., Ltd.	Pass
Fire Rating	GB 8624-2012	SGS-CSTC Standards Technical Services Co., Ltd.	B1
	EN13501-1	SGS-CSTC Standards Technical Services Co., Ltd.	B

Functionality	Standard & Testing Methods	Test Institute	Results
Stain Resistance and Cleanability	Experimental Comparison Test	DuPont R&D Center	See below
Abrasion Resistance	Experimental Comparison Test	DuPont R&D Center	See below
Mold Resistance	QB/T 2591- 2003	Technical Institute of Physics and Chemistry, CAS	Class 1

Note: For above detailed product performance information, please refer to product performance datasheet as followed.

FABRIC-BASED, PLATINUM / ELITE

STAIN RESISTANCE AND CLEANABILITY

Outstanding stain resistance and cleanability are unique features of DuPont™ Inovis™ Wallcoverings. This chart indicates a variety of stains that are likely to be encountered in high traffic areas and lists the most effective cleaning agents for easy removal of these stains.

The procedures for removing stains from DuPont™ Inovis™ wallcovering are divided into the 4 categories listed below. In most cases, stains can be completely removed without a trace. Cleaners should be applied generously with a soft cloth and very light pressure. A soft-bristle brush will aid in cleaning deeply embossed or rough, textured patterns.

Stain	Dry cloth	Wet cloth	Detergent*	Solvent
Worcestershire sauce		R		
Black crayons			R	
Brown shoe polish			R	
Chocolate syrup		R		
Tea stains		R		
Iodine		R		
Mercurochrome			R	
Ketchup			R	
Grape juice		R		
Spray lacquer				R
Brake fluid		R		
Mustard Sauce		R		
Red wine		R		
Asphalt			R	
Coffee		R		
Sodium hydroxide		R		
30% sulfuric acid	R			
20% hydrochloric acid	R			
10% nitric acid	R			
Butanone	R			
Gasoline	R			
Toluene	R			
Acetone	R			
Acetic acid	R			
10% citric acid	R			
Glycol	R			
Ethylalcohol	R			
Roller ball pen		R		
Oily pen (such as ballpoint pen)			R	

*Staining agents were allowed to set 24 hours prior to cleaning.
R – Stain Completely Removed

CLEANING CATEGORIES

Dry Cloth Only/Damp Cloth Only

Cloth only, wet or dry: many staining agents such as acetone, calamine lotion and coffee can simply be wiped from the wallcovering with a wet or dry cloth.

Household Detergent

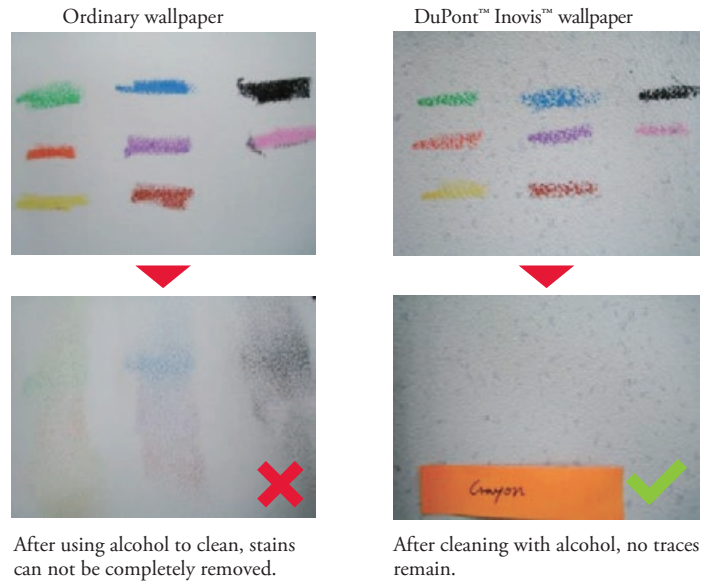
Soaps, household detergents to remove stains such as catsup, black crayon and mercurochrome, use a warm, full strength solution of household detergent and a final rinse of clear water.

Solvent (acetone or methyl ethyl ketone)

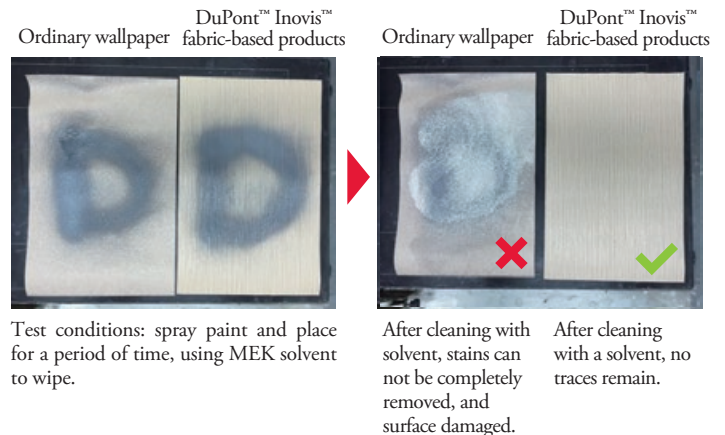
Solvents: for stains with heavy oil or grease bases, use a solvent such as acetone or methyl ethyl ketone. In some cases-e.g., chewing gum and marking ink pen, commercial fabric cleaning fluids may be used.

Cleanability comparison

Use crayons for graffiti



Use paint



FABRIC-BASED, PLATINUM / ELITE

HOW TO CLEAN UP GRAFFITI?

Due to the inherent chemical resistance of DuPont™ surface protection technology, most of the stains can be readily removed by simply using the appropriate solvent or cleaning agent. The below advices and references about listed stains are based on the lab test and only for reference. The stain type, forming temperature and humidity might cause the differences of final cleaning results.

The following data represents results of internal testing performed with the certain specific graffiti materials on the market. Results in actual end uses may vary, depending upon the particular graffiti materials and conditions of use.

Staining agents were allowed to set 1-3 days prior to cleaning.

- R – Stain Completely Removed
- S – Light Shadow Left After Cleaning

Stain	1 Day				3 Days			
	Dry cloth	Wet cloth	Detergent powder water	Ethyl alcohol	Dry cloth	Wet cloth	Detergent powder water	Ethyl alcohol
Red Lipstick	S	S	S	R*	S	S	S	R*
Yellow crayon	S	S	R	R	S	S	R	R
Green crayon	S	S	R	R	S	S	R	R
Red crayon	S	S	R	R	S	S	R	R
Red whiteboard marker	S	R	R	R	S	R	R	R
Black whiteboard marker	S	S	R	R	S	S	R	R
Blue whiteboard marker	S	R	R	R	S	R	R	R
Blue water color pen	S	R	R	R	S	R	R	R
Yellow water color pen	S	R	R	R	S	R	R	R
Red water color pen	S	R	R	R	S	R	R	R
Red ball-point pen	S	S	S	R	S	S	S	R
Blue ball-point pen	S	S	S	R	S	S	S	R
Red watercolour paint	S	S	R*	R	S	S	R*	R
Green watercolour paint	S	S	R*	R	S	S	R*	R
Black watercolour paint	S	S	R*	R	S	S	R*	R
Red colored pencil	S	R	R	R	S	R	R	R
Green colored pencil	S	R	R	R	S	R	R	R
Black colored pencil	S	R	R	R	S	R	R	R

S – Light Shadow Left After Cleaning

R – Stain Completely Removed

R* – Use a soft-bristle brush to aid in cleaning.

Detergent powder water is the saturated aqueous solution of commercially available detergents dissolved in running water.

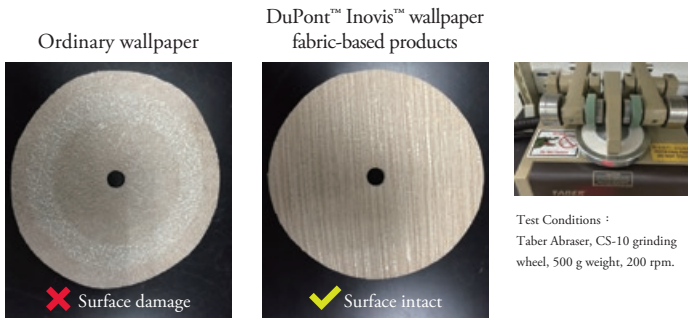
Ethyl alcohol refers to pure alcohol.

FABRIC-BASED, PLATINUM / ELITE

DURABILITY

DuPont™ Invis™ Wallcoverings have increased resistance to scratching and abrasion, which will ensure a highly durable wallcovering that can be cleaned and maintained over a long period of time. It is the bright choice for applications in high traffic areas such as hospital operating/treatment rooms, day care centers, and fast food restaurants and public spaces anywhere extremely heavy wear and tear occurs.

Comparison of Wear Resistance



MOLD, MILDEW, AND BACTERIA

Laboratory tests have shown that bacteria does not degrade the surface of DuPont™ Invis™ Wallcoverings, nor does the surface provide nutrients to mold growth. The product does not contain any additive to kill mold or mildew that may land on its surface. The wallcovering surface provide extra protection against contamination in hospital laboratories, clean rooms, kitchens and patient rooms. It is rated mold resistance Class 1 on its surface by Test Center of Antimicrobial Materials, Technical Institute of Physics and Chemistry, Chinese Academy of Science.

Note: The above test result is for the SURFACE performance ONLY. All wall surfacing materials, including wallcoverings, should be selected taking into account the building in which they are to be installed. Buildings which have had liquid or vapor moisture infiltration problems or which have other conditions that make moisture infiltration likely are at risk for mold growth at its backside. In such circumstances consult with a professional on the application of the wallcoverings.

FIRE AND SMOKE

Surface of DuPont™ Invis™ Wallcoverings has low smoke ratings and does not readily burn or support combustion. The surface material is one of the safest materials designed for interiors. The product achieves B rating based on EN13501-1, and B1 (B-s1, d0) rating based on GB 8624 2012, which is the highest fire classification based on China construction materials national standards.

ENVIRONMENTALLY FRIENDLY AND SAFETY

DuPont™ Invis™ Wallcoverings are safe, free of solvents and heavy metals and printed with non-toxic materials. All inks and adhesive are water-based and all vinyl films are LOW VOC emitting. This product meets China national standards (GB18585-2001) of non-hazardous substance for wallcovering, is environmentally qualified for interior wallcovering use.

PATTERN APPEARANCE AND COLOR

Subtle variations in color, texture and shading should be anticipated as these are part of the manufacturing process and add to the richness and beauty of the product.

DuPont™ Invis™ Wallcoverings are the quality choice of architects, designers and facility managers, not only because of their practicality and long life, but also because they provide maximum design versatility. It doesn't alter colors, and it is formulated to showcase wall designs and patterns to their full effect. Wallcoverings can be easily embossed maintaining high-pattern definition.



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