

Nolan



INDUSTRIAL FABRICS – SECTION THREE

# ARCHITECTURAL FABRICS



E3 August 2008

## Nolan Warehouses

Sydney: (02) 9669 3333 • Newcastle: (02) 4957 7766 • Brisbane: (07) 3808 1888  
Melbourne: (03) 9545 5588 • Adelaide: (08) 8340 7979 • Perth: (08) 9328 4777

[www.nolans.com.au](http://www.nolans.com.au)



The 'COVER' range of PVC coated polyester fabrics are designed for use in tensioned structures, where the fabric forms an integral part of the support system. The fabrics are classified according to 'type' as defined by European design codes and fully comply with each specification required. Bi-axial test data for each type is available for use in CAD systems.

Although minimum quantities apply, additional non-standard options are available to designers. These include a choice of lacquered finishes (*see specifier guide below*), anti-wicking scrim, opaque or translucent properties and the patented Coibentato (insulation) cladding which has significant benefits in climate control.



## SPECIFIER GUIDE

### Lacquer finishes to coated fabrics

'Cover' structural fabrics are available in the choice of three lacquered finishes. All of which are designed to protect and insulate the PVC coating from damaging UV radiation and improve cleanability. Each finish has varying degrees of effectiveness and weldability.

A pure PVDF lacquer is a stable and proven performer. It has a high resistance to chemical attack, UV and gamma radiation and excellent mechanical properties in tension and deflection. However PVDF fabrics cannot be welded together without physically removing the coating at the joints which result in fractured protection. A blend of acrylic and PVDF solves this problem, but at the expense of performance which is reflected in the duration of the warranty offered. PVDF fabrics have a 10 year warranty where as acrylic/PVDF blends have a 6 year warranty.

The fully weldable TiO<sup>2</sup> (Titan W) lacquer is a revolutionary new finish. Research has shown that under the action of UV light, TiO<sup>2</sup> has strong oxidative decomposition powers, thus exhibiting anti-fouling, anti-microbial and deodorising properties. It also becomes super-hydrophilic, forcing dirt on the surface to dislodge. Thus, the net outcome of a TiO<sup>2</sup> lacquer is UV protection and a remarkable self cleaning effect. This technology recently introduced as a PVC lacquer has been proven in paints and other surface finishes.



## KEY PRODUCT FEATURES



- ✓ *Smooth bright white surfaces*
- ✓ *Lacquered finishes*
- ✓ *2.5 & 3 metre width options*
- ✓ *Dimensionally stable*
- ✓ *High resistance to soiling*
- ✓ *High tear and tensile strength*
- ✓ *Dual film block-out system\**
- ✓ *UV stabilised*
- ✓ *Mildew resistant*
- ✓ *Fire retardant*
- ✓ *Supported by the Nolan warranty*



*\*Opaque fabric*

## GENERAL SPECIFICATIONS

Product	European code classification	Fabric weight (gsm)	Composition
<b>'BEST' COVER</b>	Type 1	720	9 x 9 weft inserted 1100 Dtex
<b>'BIG' COVER</b>	Type 2	950	12 x 12 x 1100 Dtex panama weave 2/2
<b>'PLUS' COVER</b>	Type 3	1100	10 x 10.5 x 1670 Dtex panama weave 2/2
<b>'STRONG' COVER</b>	Type 4	1300	14 x 14 x 1670 Dtex panama weave 3/3
<b>'EXTRA' COVER</b>	Type 5	1450	14 x 14 x 2200 Dtex panama weave 3/3



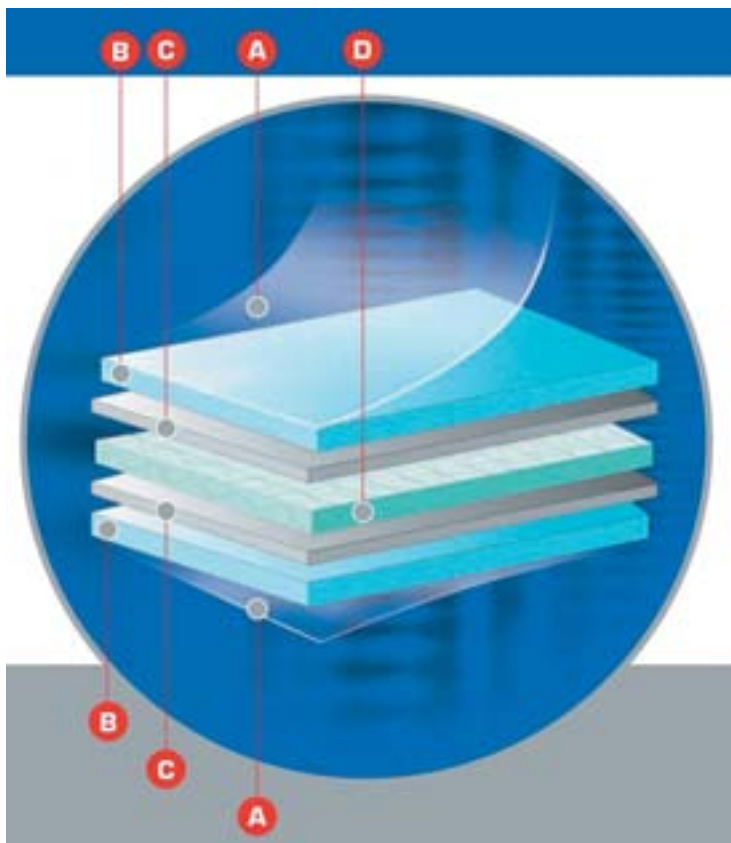
**PS COVER  
(Opaque)**

PS COVER (Opaque) is a premium grade coated PVC block-out fabric specifically designed for marquees and tension structures. It features a high tenacity polyester scrim, and is finished with a weldable acrylic fluorinated PVDF blend coating on the surface and an acrylic coating on the underside.

PS COVER (Opaque) is manufactured using a unique dual film block-out system to maximise opacity and insulation characteristics.

**PRODUCT DETAILS**

**CONSTRUCTION**



- A:** Acrylic/Fluorinated PVDF weldable lacquer finish.
- B:** PVC coating (540gsm, both sides)
- C:** Dual film black PVC blockout system.
- D:** 1100 x 1100 D-Tex polyester scrim, with 8 x 8cm weave scrim. (180gsm)



**DIMENSIONS**

Roll Length: 58 metres	Roll Width:	250cm	300cm
	Part #	13PS COV720 25	13PS COV720 30

**SPECIFICATIONS**

Total Weight: DIN 53352	720 (gsm)	Dimensional Stability:	1%
Tensile Strength: DIN 53354	warp 2500 N/5cm weft 2500 N/5cm	Elongation: DIN 53354	warp 22%, weft 26%
Tear Strength: DIN 53363	warp 220 N weft 220 N	Temperature Resistance: DIN 53361	-30° to 70°C
Light Fastness: DIN 53388 (range 0-7)	6	Fire Retardant: AS 1530 part 3	Smoke developed: 7 Spread of flame: 0