

TECHNICAL DATA SHEET PROTECTIVE FILM 4501 BT 15 LA

DEFINITION

Self-adhesive film for surface protection.

Protective film BT 15 LA is used for the protection of surface finishes from dirt, scratches and tool marks during handling, transport and storage, forming and assembly.

CHARACTERISTICS

	Method	Metric units	US units
Film type	/	polyolefins	
Colour	/	Clear	
Type of adhesive	/	Acrylic	
Thickness	AFERA 5006	50 µm	2.0 mils
PAL / A	AFERA 5001	80 cN/cm	7.3 oz/in
Breaking strength	AFERA 5004		
Machine direction		> 0.8 daN/cm	> 4.6 lbs/in
Transverse direction		> 0.6 daN/cm	> 3.4 lbs/in
Elongation at break			
Machine direction		> 150 %	> 150 %
Transverse direction		> 300 %	> 300 %
Outdoor Utilisation : 0 month.			

* AFERA : Association of European Self-Adhesive Tape Manufacturers.

PRINCIPAL USES

Protected materials :

Bare metals : Cold rolled stainless steel, Aluminium

Pre-coated metals : Polyester (PES), Polyvinylidene fluoride (PVDF)

Plastics : Polycarbonate (PC), Polymethyl methacrylate (Acrylic), Polyethylene terephthalate glycol (PETG),
Polyvinyl chloride (PVC), Polystyrene (PS), Acrylonitrile butadiene styrene (ABS) - Styrene acrylonitrile (SAN)
- Acrylonitrile styrene acrylate (ASA), Decorative sheets

Decorative laminates : Standard, Metallic finish

Other : Automotive paint

State of surface : Smooth / glossy, Lightly structured / Semi matt

LAMINATION

The protective film must be applied to a clean and dry surface with the aid of a laminating machine. The protective film can be applied manually if it had been validated before.
The film must be applied without bubbles and without excessive tension.

Elongation of the film during lamination should be < 1%.
Recommended application temperature between 15°C / 59°F and 50°C / 122°F.

PRESENTATION

We can supply plain rolls in a maximum width of 2600 mm / 102 in. For widths above 2600 mm / 102 in., please consult NOVACEL

STORAGE AND APPLICATION

The protective film must be stored in its original packaging, in clean, temperate conditions (between 15°C/59°F and 30°C/86°F).

The protective film should be applied within a 6 month period from the delivery date.

The protected surfaces must not be exposed to outdoor ageing

The protective film should be removed within 1 year from the date of lamination

The recommended ideal peeling temperature is between 10°C/50°F and 40°C/104°F.

In case of screen printing after the removal of the film asks the customers to check, before use of the film, that the screen printing is not put in trouble by the use of the film.

When using a printed protective film, customers must check that there are no residual effects on the protected surface after processing.