

## Tecnical data sheet

Temporary protection film

**R0601**

### Surface protetion film

Film Carrier	LDPE high tech
Colour	White
Adhesive Type	Rubber based

### Technical Specification

<i>Properties</i>	<i>Unit</i>	<i>Value</i>	<i>Test method</i>
Total Thickness	µm	90 ± 8	AFERA 4006
Tensile Strength MD	N/inch	> 30	AFERA 4004
Tensile Strength TD	N/inch	> 20	AFERA 4004
Elongation MD	%	> 240	AFERA 4005
Elongation TD	%	> 140	AFERA 4005
Adhesion to BA steel	cN/cm	160 ± 40	AFERA 4001



## APPLICATION

SOPRAD protection film is mainly used for the protection against mechanical damage, dirt, scratch, abrasion during storage, transportation and light manufacturing.

SOPRAD surface protection film are not to be used for permanent protection, they should be removed as soon as possible and in any case immediately at the end of the supply chain.

The SOPRAD R0600 is specially designed to protect the following surfaces:

**-Structured Metallic Surfaces**

**-Varnished Surfaces**

**-Powder Coated Metallic Surfaces**

**-Highgrade Steel**

**-Stainless Steel**

The product is usable for LASER CUTTING process

The product is not suitable for copper and brass.

## LAMINATION

The surfaces must be free from any oil, dust and solvents, the surface must be dry .

SOPRAD recommend to apply the product under a room temperature between 15°C and 40°C.

SOPRAD protection film must be applied by the use of an automatic mechanical machineries in order to avoid bubbles and wrinkles formation. Excessive tension during lamination must be avoid (max 1%).

In order to obtain the appropriate adhesion SOPRAD strongly recommend to wait six(6) days after lamination before proceeding on laser cutting.

## PRESENTATION

SOPRAD protective film is generally supplied in rolls with a length that may vary from 500mtl to 1000mtl in a max. width of 1530mm.

Packaging could be customized according customer request

**Internal roll diameter.....76mm**

**External roll diameter.....360mm**

## STORAGE AND USAGE

The SOPRAD product must be stored in it's original packaging, in a clean and dry conditions inside a closed warehouse.

Lamination must be done within six(6) months from delivery date.

SOPRAD R0600 must be removed within 3 months from lamination date, in case of exposure to outdoor ageing , SOPRAD recommend to verify that during sunlight and moisture exposure the protected surface is not subject to any variation on it's characteristic (i.e Gloss, colour etc.)

## GENERAL GUARANTEE CONDITIONS AND LIABILITY

SOPRAD protection film are designed for temporary protection of surfaces against mechanical damage, dirt, scratch, abrasion during storage, transportation and light manufacturing.

SOPRAD protection film are not meant to be used for protection against corrosion, humidity and chemicals agents.

Performances of SOPRAD protection film might be affected by various elements such as surfaces compositions of the substrate, presence of impurity and ambient conditions, for this reason SOPRAD strongly recommend and ask to customers to check the product and run a complete internal test before to use it.

During customer evaluation test the type of surface, way of applications and process condition must be considered.

The principal mentioned in this technical data sheet are only indicative, customer are fully responsible for the way of usage, SOPRAD can not in any case be engaged for any damage caused by a wrong utilization.

SOPRAD's liability shall be limited to a replacement, a reimbursement and/or to an additional delivery of the product and shall not exceed the purchase value of the product.

