



# Surface Protection Film 5019 A

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## Product Data Sheet

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Updated : May 2001  
Supersedes : New

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### Product Description

### 3M™ Surface Protection Film 5019 A

#### Construction

#### Backing

#### Adhesive

#### Color

#### Roll Sizes

Polyethylene

Acrylic

Clear transparent

Width: from 35 mm to 2600 mm

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#### Typical Physical Properties and Performance Characteristics

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

#### Test Method

Adhesion to Steel: 1.9 +/- 0.5 N/cm

AFERA 4001 \*

Total Thickness: 52 +/- 7µm

DIN 53370

Breaking Strength:

DIN 53455

Machine Direction :  $\geq 20 \text{ N/mm}^2$

Transverse Direction:  $\geq 15 \text{ N/mm}^2$

Elongation at Break:

DIN 53455

Machine Direction: > 200 %

Transverse Direction: > 400 %

\* modified for protective films

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#### General Information

- Before application the surface must be free from oil, fat, dust and solvents. Best to apply at room temperature between >10°C and < 40°C.
- The product should be stored at room temperature (< 40°C) and a rel. humidity of 50 %. Protect from direct UV light (sun).
- Recommended storage time should be 6 months after date of production.
- The product is resistant to:
  - moisture: good
  - oil: moderate
  - solvents: moderate

## Application Ideas

- 3M™ Surface Protection Film 5019 A is recommended for the protection of sensitive surfaces against dirt, dust and damage during processing, storage and mounting etc.
- 3M™ Surface Protection Film 5019 A has a high level of adhesion especially made to protect:
  - medium and rough structured surfaces
  - front plaster
  - artificial stone covering, ceramic covering
  - textile floor covering
  - PVC – surfaces (not weather – beaten)
  - varnished metallic, plastic or wooden surfaces
  - glass without UV stress
  - anodized aluminum (Eloxal), zinc, copper, steel

<u>Features</u>	<u>Advantages</u>	<u>Benefits</u>
PE backing	resistant against moisture, oil, solvents, dirt and mechanical abrasion	prevents surface from dirt and damage
Acrylic adhesive, high adhesion level	sticks to many rough and structured surfaces, removable after use	temporary surface protection

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Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.



## Tapes & Adhesives

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