

**tesa® Automotive Exterior Surface Protection**

	Key Characteristics	Backing	Color	Adhesive	Thickness of Tape [µm]	Adhesion to Steel [N/cm]	Outdoor Resistance
<b>tesa Bodyguard® 50530</b>	premium grade for freshly painted surfaces for long-term outdoor exposure	PE/PP	white	EVA	79	0.9	12 months
<b>tesa Bodyguard® 50535</b>	economy grade for freshly painted surfaces for long-term outdoor exposure	PE/PP	white	EVA	60	0.6	12 months
<b>tesa® Edge Securing 50533</b>	high adhesion edge securing tape for freshly painted surfaces	PE/PP	white	tackified EVA	96	3.0	9 months
<b>tesa® Wheel Rim Protection 50551</b>	transparent wheel rim protection film for long-term outdoor exposure	PE	transparent	acrylic	70	1.2	8 months
<b>tesa® Bumperfilm 50560</b>	economy grade for painted and unpainted plastic components for long-term outdoor exposure	PE/PP	white	synthetic rubber	52	2.0	12 months
<b>tesa® Assembly-guard 50540</b>	impact resistant tape for freshly painted surfaces during assembly process (indoor)	PE/PP	blue translucent	EVA	4200	0.5	not applicable

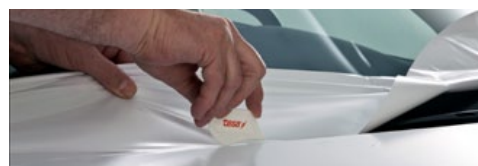
**tesa® Automotive Interior Surface Protection**

	Key Characteristics	Backing	Color	Adhesive	Thickness of Tape [µm]	Adhesion to Steel [N/cm]	Outdoor Resistance
<b>tesa® 4848 PV1</b>	interior protection tape for smooth surfaces	PE	transparent	acrylic	48	0.8	not applicable
<b>tesa® 51132</b>	interior protection tape for structured and LSE surfaces	PE	transparent	acrylic	85	2.8	not applicable
<b>tesa® 51134</b>	interior protection tape for slightly structured surfaces	PE	transparent	acrylic	84	2.4	not applicable
<b>tesa® 51136 PVO</b>	interior protection tape for slightly structured surfaces	PE	green translucent	acrylic	105	2.4	not applicable
<b>tesa® 7133</b>	resistant protection tape for structured painted and unpainted surfaces	PP	blue	natural rubber	80	2.0	not applicable

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, expressed or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to advise you.

## Maximized efficiency for Surface Protection applications

Along with the comprehensive assortment of Surface Protection tapes, tesa Automotive offers tools and dispenser solutions to increase the efficiency of both manual and automated application processes.





## **tesa Automotive: from tradition, passion and conviction**

For the past 75 years tesa Automotive has been a constant generator of ideas and a reliable partner to automobile manufacturers and their suppliers. tesa's high-performance self-adhesive tape solutions and pioneering inventions impress customers worldwide. tesa Automotive is working on the future of adhesive tape technology, a key technology of the 21st century, with enthusiasm.



## **NEW: the tesa® ACX technology**

Time and again tesa has been able to set milestones in adhesive tape technology. tesa® ACX is a new, future-oriented technology, specially developed by tesa for constructive bonding. This development will open up a new dimension of possibilities for automobile manufacturers and suppliers in the future. tesa Automotive is equipped to collaboratively find new ideas for constructive bonding applications.



The tesa management system is certified according to the standards ISO 9001, ISO/TS 16949 and ISO 14001. All tesa® products delivered to automotive customers are listed in the International Material Data System (IMDS).

### HEADQUARTERS

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# tesa® Automotive Surface Protection – Brilliance at first glance

Tape technology for the automotive industry  
APPLICATION FOLDER





**Surface Protection**

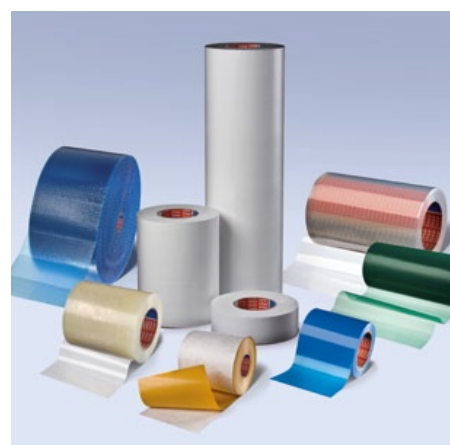
- 1 Car body
  - 2 Wheel rims
  - 3 Bumpers
  - 4 B-pillar components
  - 5 Door edges and handles
- ... as well as various interior surfaces

**tesa® Automotive Surface Protection Tapes for immaculate surfaces**

Vehicle surfaces, i.e. clear coats, plastics, and metals, need to be clean and undamaged in order for consumers to have a positive, first impression of the vehicle. The smallest defects on surfaces can spoil aesthetics and cause complaints. They therefore need to be protected during various stages of the production and transportation processes. tesa Automotive offers a wide assortment of pressure-sensitive adhesive tapes that have been specifically developed for surfaces susceptible to damage.

**Features and benefits of tesa® Automotive Surface Protection Tapes**

Regardless of the mode of transportation – road, rail or sea – tesa® Automotive products provide temporary protection that can easily be removed and disposed of in an ecologically-friendly way.



The tesa® Automotive Surface Protection assortment provides temporary protection for all surfaces susceptible to damage.

## tesa® Automotive Surface Protection during assembly and transport

tesa® Automotive Exterior Surface Protection Tapes protect the painted car body, wheel rims, plastic parts, and emblems against outside influences such as dust, gravel, bird droppings or insects during the journey from the plant to the end customer. Similarly, interior surfaces including plastic, metal and fabric are protected and kept spotlessly clean.

### Freshly painted metal surfaces

During assembly and transport, freshly painted surfaces need to be protected against a variety of environmental influences to preserve spotlessly clean and flawless paint finishes.

Painted surfaces can be best protected with:

- tesa Bodyguard® 50530: premium grade, 12 months outdoor resistance
- tesa Bodyguard® 50535: economy grade, 12 months outdoor resistance
- tesa® 54533: customized die cuts for door edge protection on request



### Wheel rims

Wheel rim protection not only ensures a flawless surface upon delivery to the end customer, but also a reduction of brake disc corrosion during outdoor storage periods.

tesa® Automotive solutions for the reliable protection of wheel rims:

- tesa® Wheel Rim Protection 50551: transparent, roll material – Also available as customized die cuts upon request as tesa® 54551
- tesa® 50533: white, roll material – Also available as customized die cuts upon request as tesa® 54533

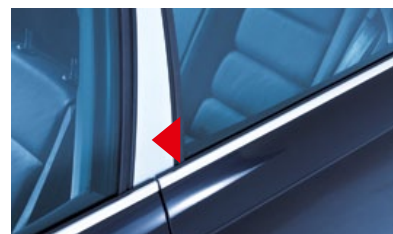


## Plastic components

Exterior painted and unpainted plastic parts, such as bumpers or B-pillar components, need protection during assembly and transport, both from the component supplier to the vehicle production plant and after production to the end customer.

Plastic components can be best protected with:

- tesa® Bumperfilm 50560: economy grade, 12 months outdoor resistance



## Protection during assembly

During the assembly process, exterior surfaces susceptible to damage require special protection to ensure flawless appearance of the vehicle upon leaving the production plant.

Protection of exterior surfaces during the assembly process:

- tesa® 51134: transparent protection tape for slightly structured surfaces during assembly (indoor), suitable for head- and taillights
- tesa® Assemblyguard 50540: blue translucent, impact-resistant tape for protection during assembly process (indoor), suitable for painted surfaces



## Interior surfaces including plastic, metal and fabric



**Door panels**  
tesa® 51136 PVO:  
green, translucent tape  
for slightly structured  
surfaces



**Door sills**  
tesa® 7133: blue  
tape for structured  
painted and un-  
painted surfaces



**Interior trims**  
tesa® 7133: blue  
tape for structured  
painted and un-  
painted surfaces



**Decorative interior  
trims**  
tesa® 4848 PV1:  
transparent tape for  
smooth surfaces



**Floor coverings**  
tesa® 51132:  
transparent tape for  
structured and LSE  
surfaces