

# ADHESIVE TAPE SOLUTIONS FOR SURFACE PROTECTION

What looks good is perceived to be good, and tesa's products for surface protection help make that perception a reality. The comprehensive assortment of film-based products has been specially designed, engineered and developed to protect interior and exterior surfaces from minor scratches and damage from environmental effects during assembly and transportation. tesa always has an ultimate goal in mind – meeting customer expectations for secure and safe protection on surfaces that matter the most.

## Exterior surface protection

	Bodyguard		Edge securing	Wheelguard	Bumperfilm	Assembly-guard
	tesa® 50530 PV3	tesa® 50535 PV0	tesa® 50533	tesa® 50551 PV1	tesa® 50560 PV1	tesa® 50540
Technical data						
Key characteristics	Premium grade for freshly painted surfaces for long-term outdoor exposure	Economy grade for freshly painted surfaces for long-term outdoor exposure	High-adhesion edge-securing tape for freshly painted surfaces	Transparent wheel rim protection for long-term outdoor exposure	Economy grade for painted and unpainted plastic components for long-term outdoor exposure	Impact-resistant tape for freshly painted surfaces during assembly process (indoor)
Backing	PE/PP	PE/PP	PE/PP	PE	PE/PP	PE/PP
Color	White	White	White	Transparent	White	Blue translucent
Adhesive	EVA	EVA	Tackified EVA	Acrylic	Synthetic rubber	EVA
Thickness of tape [µm]	79	60	96	70	52	4200
Adhesion to steel [N/cm]	0.9	0.6	3.0	1.2	2.0	0.5
Outdoor resistance	12 months	12 months	9 months	8 months	12 months	Not applicable



## Interior surface protection

	tesa® 4848 PV1	tesa® 51132	tesa® 51134	tesa® 51136 PV2	tesa® 7133	tesa® 4289	tesa® 4379
Technical data							
Backing	PE	PE	PE	PE	PP	MOPP	PP
Color	Transparent	Transparent	Transparent	Green translucent	Blue	Yellow	Transparent
Adhesive	Acrylic	Acrylic	Acrylic	Acrylic	Natural rubber	Natural rubber	n/a
Thickness of tape [µm]	48	85	84	110	80	150	65
Adhesion to steel [N/cm]	0.8	2.8	2.4	2.6	2.0	5.5	n/a
Rating material compatibility							
Painted surfaces	●	●	●	●	●●	●	●
Anodized Aluminum	●●●	○	○	○	●●	●	●
Glass	●●	○	●	○	●●●	●	●
High-surface-energy plastic parts	Glossy	●	○	●	●●	●	●
	Rough	●●	●●	●●	●●	●●	●
Low-surface-energy plastic parts	Glossy	●●	●●	●●	●●	●●	●
	Rough	●	●●●	●	●●	●●●	●
Textile	●	●●	●	●	●●	●●	●

●●● Excellent   
 ●● Good   
 ● Appropriate   
 ○ Not appropriate

## Processes and Tools

### On-site service and customized solutions

Tooling is fundamental for process optimization. As your service-oriented partner, we strive for the most efficient customer applications. Our process engineering develops automatic dispensing solutions for highly efficient tape application. By analyzing individual process parameters, we help to reduce process times, creating operational excellence in every plant.

### Great tools for automatic and manual applications

Even small adjustments in production can have a tremendous impact on quality. In addition to surface protection tapes, we offer automatic unwinding dispensers, cutting devices, and squeegees as complementary products that help make the application process more effective.



tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data mentioned above are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore, tesa can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. 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 support you.