About us

We are a reliable partner for the railway industry

We are a partner you can count on
It is our business to support you and your products during the entire product-development process on a daily basis. Our numerous sales offices, our research and development department, and our production facilities offer worldwide assistance wherever our customers are located. Whether the adhesive tape is needed for masking while painting, mounting or fixating, surface protection, vibration and noise damping, or any form of floor fixing: tesa adhesive tapes offer you a complete solution for your application in the railway industry.

No matter what your production process or how you want to apply your tape: we deliver the tape in the format you need for your application.



Our tape assortment offers you:
- Wide variety of products for different applications
  Specific solutions for your individual process needs
- Fast and flexible implementation
  High production efficiency
- Rolls, die-cuts, and dispensers

Global support for mobility on rails



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 above mentioned 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 SE 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.

Product	Adhesive	Backing	Liner	Thickness [µm]	Features
Masking					
4334	Acrylic	Washi paper	-	90	**Straight-line masking** • Sharp, clean paint lines. Ideal for 2-tone masking • Works with water & solvent-based paints
4174	Natural rubber	PVC film	-	110	**Curved fine-line masking & masking for sealing processes** • Excellent masking on painted & unpainted surfaces. Good conformability with multidimensional surfaces • Residue-free up to 150 °C for 1 h
4368	Natural rubber	Crept-paper & HDPE film	-		**Large-area masking** • Smart 2-in-1 solution for masking and/or protection of large areas during paint processes • Clean edges for all painting jobs
4432	Natural rubber	Flat paper	-	330	**General masking** • Tough masking tape with strong adhesive & stable backing • Ideal for sandblasting glass, mirrors & stone
Mounting					
707x EN	Pure acrylic	Foamed acrylic	-	500–2000	**Permanent mounting** • Temperature and shear resistance with an outstanding cold shock resistance up to -40° • The viscoelastic core is able to compensate for thermal elongations of bonded parts
55576	Acrylic	PE foam	PE-coated paper	1200	**Pre-mounting of small parts** • Excellent for light duty mounting applications • Lightweight & flexible
4952	Tackified acrylic	PE foam	Glassine	1150	**Mirror mounting** • High tack on different type of surfaces. UV, water & aging resistant for outdoor use
793xx EN	Acrylic	PP film	Glassine	240	**Carpet bonding/fixing** • Strong adhesion, even on low surface energy surfaces, onpolar plastics (PP) and composites (recycled materials)
4950	Modified acrylic	PET	Sustainable paper liner	100	**• Low surface energy bonding** • Primerless applications possible
4965	Biomass-balanced tackified acrylic	Post consumer recycled PET / Glassline brown	MOPP	205	**All rounder mounting tape** • Suitability for most demanding applications such as heavy stress, high temperatures or critical substrates • Certified by UL standard 969 (UL file: MH 18055). Total of 62% biocarbon content (including red MOPP liner)
51977 EN	Acrylic	PP film	Glassine	240	**Carpet bonding/fixing** • Strong adhesion, even on low surface energy surfaces, onpolar plastics (PP) and composites (recycled materials) • High initial tack and comformability
706x	Tackified acrylic	Foamed acrylic	-	500–1500	**Fixation of floor profiles** • High immediate tack & adhesion even on substrates with a low surface energy. Resists plasticizer effects • The viscoelastic core is able to compensate for thermal elongations of bonded parts
Flame Retardant Mounting					
450xx	Acrylic	PET backing / Acrylic core / PE	PET	200–1200	**Permanent mounting, mirror mounting, carpet fixing & fixation of floor profiles** • Flame retardant (UL94, FMVSS 302) & halogen free • Strong acrylic core for demanding applications. Viscoelastic & high-performance adhesive
Functionalized Mounting					
60538	Conductive acrylic	Copper film	PET	50	**Electrical conductive mounting (eg displays)** • Excellent EMI shielding performance and conductivity in XYZ-directions for very good grounding performance • High adhesion level
Protection					
4416	Acrylic	Embossed PP film	-	210	**Temporary surface protection** • Good adhesion, clean removal. Works on PP, ABS & textiles • Anti-slip feature for floor protection applications according to DIN EN 16165 - R9
54994	Acrylic	PU film	PET	260	**Permanent surface protection** • Resistant and durable against mechanical and environmental forces • Ideal for stone-chip resistance on windows or other parts
4651	Natural rubber	Acrylic-coated cloth	Paper	310	**Insulation protection** • Conformable with high tack, excellent abrasion resistance, high tensile strength, and strong adhesion to rough surfaces. Manual tearable with clean edges both ways • Classification according FMVSS302: SE/NBR1 & 68% bio-based content (by weight, excl. liner)
51026	Acrylic	PET cloth	-	260	**Wireharness** • Ideal for bundling and combining harnesses • Abrasion protection also under hight temperatures
60677 EN	Modified acrylic	Aluminum	-	120	**Temperature and moisture protection** • Improvement of heat or cooling measures • Strong adhesion
50530	EVA	Polyolefinic film	-	80	**Temporary surface protection** • UV resistant material suitable also for fresh paint protection • Ideal for transport of components
54411*	Acrylic	Ionomer-film	PET	1100	**High performance sealing** • Suitable for typical paints • UV- and aging resistant sealing of joints and rivets
Anti-slip					
6095x EN	Acrylic	PVC film / Alu-carrier coated with mineral particles	-	750–1365	**Allrounder anti-slip tape** • Strong adhesive for safe footing, with high resistance to wear, chemicals and salt water • Easy to tear by hand and remove. Anti-slip effect for up to 2 years. Certified to DIN 51130 safety standards
Tamper Proof Labelling					
6940	Acrylic	Acrylic	Coated paper	95–140	**Laser Labelling** • Laser markable film for quick, customizable labels • Highest bonding performance, durable on wear, weather and chemicals

EN **Certified according to EN 45545-2**

tesa SE
Phone: +49 40 88899 0

tesa.com

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Our tapes for various railway applications

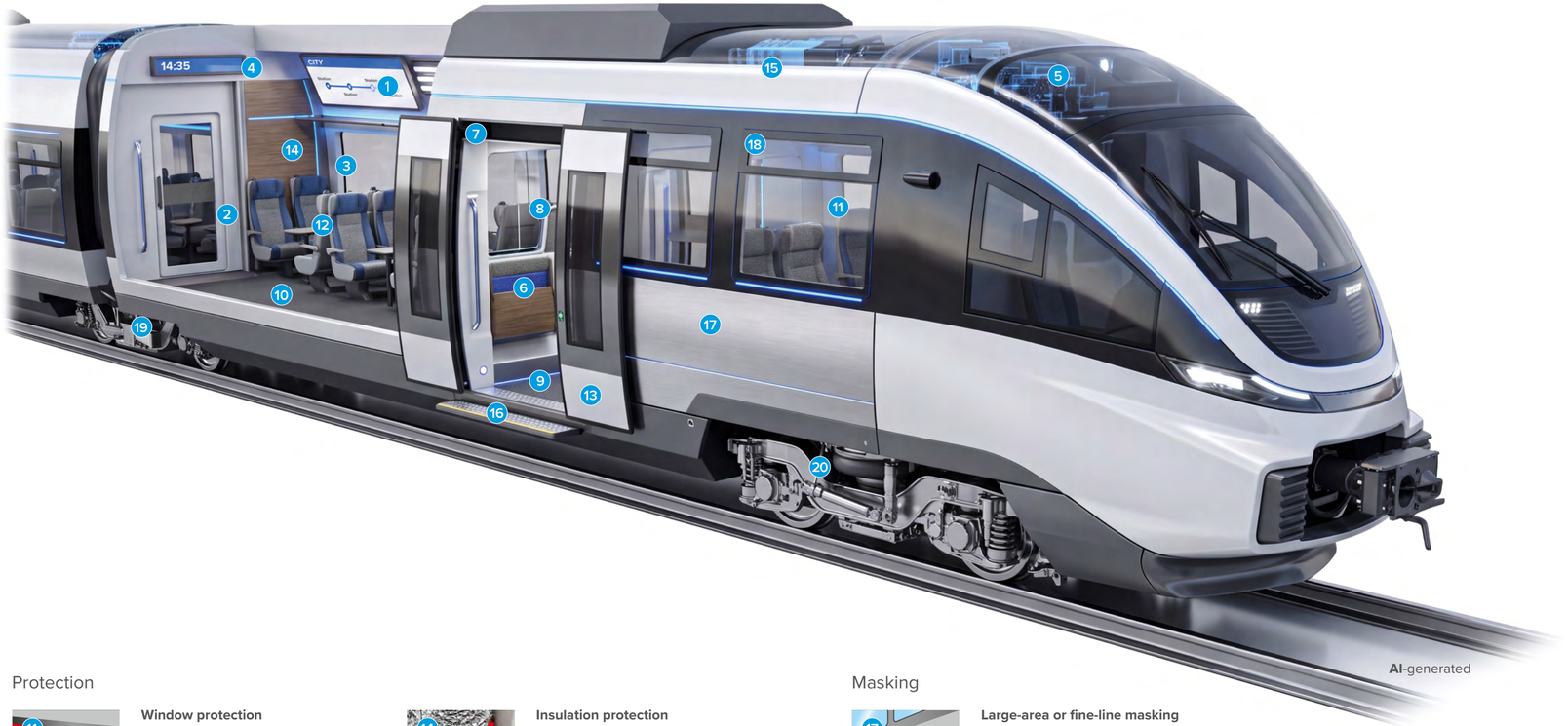
Highest performance

Mobility on track

Efficient adhesive solutions

We offer a wide range of specially developed tapes that effectively meet the application requirements of the railway industry around the globe.

The result: an assortment of adhesives, liners, and backings providing custom bonding solutions for a diverse field of business. Our high quality tapes ensure an optimized solution that will speed up your processes and result in less reworking.



AI-generated

Mounting



Permanent mounting
Permanent bonding of metal or plastic parts to different surfaces – indoor and outdoor.



Debonding on demand
tesa's Debonding on Demand technologies enable smarter separation for repairs and recycling without compromise.



Pre-mounting of small parts
Preliminary bonding of small parts to ensure better positioning before mechanical fixing.



Display mounting
Supporting growing infotainment demands with reliable bonding of displays, sensors, and electronic components.



Mounting of electrical conductive surfaces
Bonding of conductive materials and functional surfaces for grounding, shielding, and signal transmission.



Mounting of LSE surfaces
Reliable bonding on low surface energy materials such as plastics, carbon fiber, and glass fiber composites.



Mounting of foams
Foam tapes provide high conformability to fill gaps and are able to level out different thermal expansion.



Mirror mounting
Permanent fastening of mirror or glass panes on wall panels. Mechanical demounting of the tape is possible.

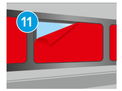


Profile mounting
Quick and process efficient bonding of profiles to floors or panels.



Carpet fixing
Secure adhesion but easy removability for exchange of carpets with artificial floor coverings.

Protection



Window protection
Protection of window surfaces during production, transportation, and maintenance work.



Temporary surface protection
Protection of delicate surfaces during production, transportation, and maintenance work – indoor and outdoor.



Permanent surface protection
Permanent protection of exposed areas – indoor and outdoor.



Insulation protection
Protection and fixation of insulation materials and body parts.



EMI-shielding
EMI shielding solutions for reliable electronic system performance.



Floor, stairs, roof anti-slip
Ideal protection against slipping on steps or walkways.

Masking



Large-area or fine-line masking
Efficient sharp-edged masking for straight or curved lines, excellent for two-tone applications.



Masking for sealing processes
Precise masking of window and railcar body for window-sealing processes.



General masking
Covering of different parts during various processes – for example for sandblasting or painting processes.

Wire harnessing



Cable fixation and insulation
Attachment and bundling of cables during assembly processes or permanently – also in combination with noise damping.