

# tesa® ACX<sup>plus</sup>

The best performance for every task



Constructive bonding is a key element in every industry and can be very challenging. For many applications, high-tech materials are used that have special structures and properties that need to be maintained. Dissimilar materials need to be bonded. Traditional mechanical fasteners like rivets, welds, screws, or liquid glue may not be suitable or can even damage these materials.

**tesa® ACX<sup>plus</sup>** bonding solutions can outperform conventional fastening methods by optimizing our customers' production processes and the quality and aesthetics of their products. The high performance of **tesa® ACX<sup>plus</sup>** is based on its viscoelasticity. This leads to elastic and viscous characteristics, providing inner strength as well as relaxation of mechanical stresses. A special acrylic system results in the main features:

- Bonding power
- Stress dissipation
- Temperature and weather resistance



## Product Families tesa® ACX<sup>plus</sup>

<b>704x Gray/White</b>	Specially designed to allow invisible bonding of decorative elements, as the white and gray color adapts well to metal and plastic surfaces and avoids gleaming of translucent materials.
<b>705x High Transparency</b>	For constructions that involve transparent or translucent materials and where an invisible and durable bond is required.
<b>706x High Adhesion</b>	For materials with lower surface energy, commonly known as hard-to-bond materials.
<b>707x High Resistance</b>	For challenging outdoor applications and demanding conditions, such as very high temperatures or cold shock resistance.
<b>778xx Primerless Line</b>	For strong bonds to low surface energy substrates without the requirement of a surface pre-treatment (e.g. with adhesion promoter) and for processing tape in unheated production environments with temperatures down to 0 °C.

## tesa® ACX<sup>plus</sup> for Permanent and Constructive Bonding

Gray/White	USP	Applications	Colour	Thickness without liner [µm]	Ultimate peel adhesion [n/cm]				Temperature resistance [°C] short/long term
					Steel	PMMA	ALU	Glass	
tesa® ACX <sup>plus</sup> 7042	- General purpose applications - Good adhesion properties - Competitively priced	- Decorative panels - Glass-to-glass or Glass-to-metal applications - Furniture mounting - Flush design	Gray/White	500	23	18	24	21	200/120
tesa® ACX <sup>plus</sup> 7044			Gray/White	1,000	33	24	35	32	200/120
tesa® ACX <sup>plus</sup> 7046			Gray/White	1,500	36	32	40	37	200/120
tesa® ACX <sup>plus</sup> 7048			Gray/White	2,000	38	33	45	40	170/120
High Transparency	USP	Applications	Colour	Thickness without liner [µm]	Ultimate peel adhesion [n/cm]				Temperature resistance [°C] short/long term
tesa® ACX <sup>plus</sup> 7054	- Ultra Transparent - High UV, temperature, and solvent resistance - Recommended for outdoor applications	- Mounting of transparent displays and signs - Glass panels - Signage (PMMA plates) - Extruded profiles	Transparent	500	19	12	19	17	200/100
tesa® ACX <sup>plus</sup> 7055			Transparent	1,000	24	17	24	24	200/100
tesa® ACX <sup>plus</sup> 7056			Transparent	1,500	27	19	24	26	200/100
tesa® ACX <sup>plus</sup> 7058			Transparent	2,000	29	22	24	28	200/100
tesa® ACX <sup>plus</sup> 75530			Transparent	3,000	27	20	26	32	200/100
High Adhesion	USP	Applications	Colour	Thickness without liner [µm]	Ultimate peel adhesion [n/cm]				Temperature resistance [°C] short/long term
tesa® ACX <sup>plus</sup> 7062	- Immediate adhesion - Strong bonding even on LSE such as PP and powder-coated materials.	- Bumper rails - Signage blades or panels - Decorative parts on white goods - Reinforcement bars	Black	500	24	20	27	27	170/70
tesa® ACX <sup>plus</sup> 7063			Black	800	30	27	32	32	170/70
tesa® ACX <sup>plus</sup> 7065			Black	1,200	40	35	35	36	170/70
tesa® ACX <sup>plus</sup> 7066			Black	1,500	45	41	40	39	170/70
High Resistance	USP	Applications	Colour	Thickness without liner [µm]	Ultimate peel adhesion [n/cm]				Temperature resistance [°C] short/long term
tesa® ACX <sup>plus</sup> 7072	- Highest temperature resistance - Suitable for demanding outdoor applications and exposure to extreme temperatures, UV, chemicals, salt water, and cleaning agents - Exceptional cold shock resistance	- Stiffener bars - Wall cladding - Decorative elements - Door panels - Flush Design	Black	500	20	12	18	20	220/120
tesa® ACX <sup>plus</sup> 7074			Black	1,000	30	15	25	32	220/120
tesa® ACX <sup>plus</sup> 7076			Black	1,500	35	19	28	36	220/120
tesa® ACX <sup>plus</sup> 7078			Black	2,000	40	23	32	40	220/120
tesa® ACX <sup>plus</sup> 70725			Black	2,400	31	17	28	30	220/120
tesa® ACX <sup>plus</sup> 70730			Black	2,900	44	22	39	38	220/120
tesa® ACX <sup>plus</sup> 70740			Black	3,900	45	24	40	39	220/120
Primerless Line	USP	Applications	Colour	Thickness without liner [µm]	Adhesion to Values [n/cm]			Temperature resistance [°C] short/long term	
tesa® ACX <sup>plus</sup> 77805	- LSE plastics like PP and PP/EPDM - High initial bonding strength (no primer needed) - Low VOC properties	- Mounting of plastics in interior systems - Mounting of plastic attachment parts in interior and exterior - Mounting of plastics in automotive electronics modules	Gray	500	Steel (After 3 days)	ABS (After 3 days)	PP (After 3 days)	120/80	
tesa® ACX <sup>plus</sup> 77808			Gray	1,000	31	28	30	120/80	
tesa® ACX <sup>plus</sup> 77811			Gray	1,100	35	31	38	120/80	
tesa® ACX <sup>plus</sup> 77815			Gray	1,500	39	34	44	120/80	

