

tesa® ACX^{plus} 7054 High Transparency 500 µm/19.7 mils double-sided acrylic core tape

tesa® ACX^{plus} 7054 is a double-sided transparent acrylic core tape. It consists of a high performance acrylic system and is identified by its bonding power, stress dissipation and its temperature and weather resistance.

Due to the product's unique formulation, this double-sided acrylic core tape combines high adhesion levels with the ability to absorb and dissipate high dynamic loads. The viscoelastic core of the product is able to compensate for thermal elongations of bonded parts.

tesa® ACX^{plus} 7054 is especially suitable for constructive bonding of transparent and translucent materials such as glass or acrylic to receive a seamless and optical clear bonding. In addition, it is recommended for outdoor applications.

Main Application

The tesa® ACX^{plus} product family is suitable for a wide range of constructive bonding applications. To ensure the highest performance possible, our aim is to fully understand the application (including the substrates involved) in order to provide the right product recommendation. Example mounting applications of transparent and translucent materials include but are not limited to:

- Plisse profiles
- Partition walls (glass on glass)
- Signage (PMMA on aluminum)
- Extruded profiles

Technical Data

▪ Backing material	solid acrylic	▪ Type of adhesive	pure acrylic
▪ Color	transparent	▪ Elongation at break	1000 %
▪ Total thickness	500 µm 19.7 mils		

Adhesion to

▪ Steel (initial)	11.0 N/cm 100.5 oz/in	▪ Steel (after 3 days)	19.0 N/cm 173.6 oz/in
▪ Aluminium (initial)	9.0 N/cm 82.2 oz/in	▪ Aluminium (after 3 days)	19.0 N/cm 173.6 oz/in
▪ Glass (initial)	11.0 N/cm 100.5 oz/in	▪ Glass (after 3 days)	17.0 N/cm 155.3 oz/in
▪ PMMA (initial)	9.0 N/cm 82.2 oz/in	▪ PMMA (after 3 days)	12.0 N/cm 109.6 oz/in

For latest information on this product please visit <http://l.tesa.com/?ip=07054>

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, express 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 support you.

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Properties

▪ Temperature resistance short term	200 °C 392 °F	▪ Resistance to chemicals	● ● ● ●
▪ Temperature resistance long term	100 °C 212 °F	▪ Softener resistance	● ●
▪ Tack	● ● ●	▪ Static shear resistance at 73,4 °F	● ● ● ●
▪ Ageing resistance (UV)	● ● ● ●	▪ Static shear resistance at 158 °F	● ● ●
▪ Humidity resistance	● ● ● ●	▪ T-block	● ● ●

Evaluation across relevant tesa® assortment: ● ● ● ● very good ● ● ● good ● ● medium ● low

Additional Information

Please note that we recommend using tesa® Adhesion Promoter as a surface pre-treatment. It leads to a significant improvement in adhesion levels, avoids moisture infiltration, and promotes long-term resistance against harsh environmental factors. Which tesa® Adhesion Promoter should be used depends on the substrates and the application. We will be glad to advise you in order to find the right solution.

For permanent outdoor applications with load-bearing requirements, our first recommendation is tesa® ACX^{plus} 707x High Resistance.

Selected product thicknesses of our 705x series are available with adhesive neutralized edges.

Liner versions:

- PV12: Transparent PET liner – unbranded
- PV26: White paper liner – unbranded
- PV28: Blue film liner – unbranded
- PV32: White paper liner – branded
- Further liner versions might be available upon request.

Certificates:

- tesa® ACX^{plus} 7054 is recognized according to UL Standard 746C. UL File QOQW2.E309290
- tesa® ACX^{plus} 7054 is recognized according to UL Standard 879. UL File UYMR2.E479260
- Qualified for a credit according to LEED

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