

tesa® ACX^{plus} 70200

Certified Durability

product information

2,000 µm double-sided acrylic foam tape

tesa® ACX^{plus} 70200 is a deep black double-sided acrylic foam 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 foam tape combines a very good temperature resistance with an outstanding cold shock resistance up to -40°C. The viscoelastic core of this product is able to compensate for thermal elongations of bonded parts.

tesa® ACX^{plus} 70200 is especially designed for permanent demanding outdoor bonding applications and acts as primary bonding system for different Building Envelope components. It is designed to resist wind loads, temperature changes leading to thermal expansion, and continuous transfer of the forces to the substructure over many years. This product can outperform conventional fastening methods by optimizing our customers' production processes and the quality and aesthetics of their products.

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 applications include but are not limited to:

- Wall cladding
- Structural glazing
- Various building envelope applications

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Technical Data

- | | | | |
|--------------------|----------------|-----------------------|--------------|
| • Backing material | foamed acrylic | • Type of adhesive | pure acrylic |
| • Color | black | • Elongation at break | 1000 % |
| • Total thickness | 2000 µm | | |

Adhesion to

- | | | | |
|-----------------------|-----------|----------------------------|-----------|
| • Steel (initial) | 16.0 N/cm | • Steel (after 3 days) | 40.0 N/cm |
| • Aluminium (initial) | 14.0 N/cm | • Aluminium (after 3 days) | 32.0 N/cm |
| • Glass (initial) | 24.0 N/cm | • Glass (after 3 days) | 40.0 N/cm |

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Properties

• Temperature resistance short term	220 °C	• Resistance to chemicals	●●●●
• Temperature resistance long term	120 °C	• Softener resistance	●●
• Tack	●●	• Static shear resistance at 23°C	●●●●
• Ageing resistance (UV)	●●●●	• Static shear resistance at 70°C	●●●●
• 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.

Liner versions:

- PV24: Blue film liner - unbranded
- Further liner versions might be available upon request.

Disclaimer

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.



For latest information on this product please visit
<http://l.tesa.com/?ip=70200>