

Technical Data Sheet

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Pattex Mounting Tapes

Description

Double-sided foam tape for permanent mounting applications

Field of Application

For indoor applications – 80kg

- for applications on smooth surfaces like tiles, metal, wood, stone, glass, plastic, etc.
- ideal for mounting of mirrors, name plates, decoration, hooks, etc.

For inside and outside mounting applications – 120kg

- for mounting of skirting boards, mailboxes, house numbers, hooks, etc.
- for applications on smooth surfaces like tiles, metal, wood, stone, glass, plastic, etc.

Technical data

80KG:

Carrier Material: white PE foam

Type: double-sided tape

Adhesive: acrylic adhesive

Release Liner: blue PE foil, siliconised

Width: 19 mm

Length: 1,5 m

Thickness: 1,0 mm

Peel Adhesion on Steel (PSTC-1): >10 N/25 mm

Temperature Resistance: - 40 °C to 95 °C

Processing Temperature: +10 °C to +40 °C

One roll of tape holds up to 80 kg of weight under ideal conditions: mounting of flat objects (thickness < 10 mm) to smooth metal surfaces.

Holding power is reduced for objects with a thickness >10 mm. Holding power can be reduced on surfaces other than metal.

Maximum holding power can be reduced at higher temperatures.





Excellence is our Passion

120KG:

Carrier Material: white PE foam

Type: double-sided tape

Adhesive: acrylic adhesive

Release Liner: red PE foil, siliconised

Width: 19 mm

Length: 1,5 m

Thickness: 1,14 mm

Peel Adhesion on Steel (PSTC-1): >20 N/25mm

Temperature Resistance: - 40 °C to 120 °C

Processing Temperature: +10 °C to +40 °C

One roll of tape holds up to 120 kg of weight under ideal conditions: mounting of flat objects (thickness < 10 mm) to smooth metal surfaces.

Holding power is reduced for objects with a thickness >10 mm. Holding power can be reduced on surfaces other than metal.

Maximum holding power can be reduced at higher temperatures.

Surface Preparation:

Bonding surfaces must be free of dirt, dust, oil and grease and it must be dry. Clean the surfaces e.g. with acetone, alcohol or white spirit.

Application:

- Apply the mounting tape to the object and press it firmly onto the object.
- Avoid including air bubbles between the tape and the surface.
- Remove the blue release liner from the second side of the tape and press the object firmly onto the application surface.
- The final bonding strength will be reached after 24 hours.
- Do not apply at temperatures <10 ° C.

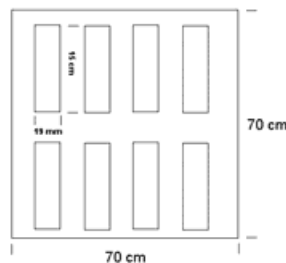
Attention:

- Best results will be reached for applications on smooth surfaces and under ideal conditions; mounting of flat objects (thickness < 10 mm) to smooth metal surfaces.
- Holding power is reduced for objects with a thickness >10 mm. Holding power can be reduced on surfaces other than metal.
- Do not touch the tape with fingers during application: this leads to a decrease of the adhesive strength.
- Do not apply the tape on PTFE (e.g. Teflon), silicone, paper/vinyl wallpapers or unsound surfaces.
- Do not use the tape on surfaces with a dirt repellent coating or treatment.
- Avoid processing temperatures (tape + application surface) <10 ° C

Recommended tape lengths:

80KG:

- 15 cm of the tape can hold up to 2 kg weight (= 7.5 cm of the tape hold up to 1 kg weight) under ideal conditions: mounting of flat objects (thickness < 10 mm) like name-plates, mirrors, skirting-boards, hooks, tec. To smooth and clean metal surfaces.
- On PA, PP, PE: 25 cm tape (width 19 mm) can hold up to 1 kg weight (for flat objects; thickness < 10 mm)
- For a mirror of 70 cm x 70 cm about 1.5 m tape is necessary. The tape should be applied on the back side of the mirror in vertical direction as followed:



The above instructions are based on thorough trials and on general experience gained in this field. As it is impossible to survey all installation methods and in view of various different working conditions, we cannot, however, claim that the information given is complete. Typical values are not intended to be used for specification development. Technical data is believed to be accurate. We therefore recommend that tests should be carried out on your own to ensure the greatest possible success.

120KG:

- 15 cm of the tape can hold up to 5kg weight (= 7.5 cm of the tape hold up to 1 kg weight) under ideal conditions: mounting of flat objects (thickness < 10 mm) like name-plates, mirrors, skirting-boards, hooks, etc. To smooth and clean metal surfaces.
- On PA, PP, PE: 25 cm tape (width 19 mm) can hold up to 2.5 kg weight (flat objects; thickness <10 mm).
- For mounting of skirting boards take 5 cm of tape every 30 cm of the skirting board.

Further Remarks:

- The bonding surfaces must be dry.
- Delicate surfaces can be damaged when removing the tape.
- Test mounting tape before application at a suitable place.

Storage: and free of dirt. Store in a cool, dry place (< 30 °C)

Disposal: Household waste.

Pack sizes available

80kg & 120kg

Different questions to Pattex Mounting Tape Strong (80 kg & 120kg)

"What is the holding power of the tape?"

For mounting applications of flat objects it is possible to say one roll of tape holds up to 80 kg or 120kg (depending which you have)*. These values have to be seen in an ideal case what means for mounting of flat objects (thickness < 10mm) to smooth and clean metal surfaces.

Holding power is reduced for objects with a thickness >10mm, additionally holding power is depending on the application surface.

It is not possible to mount objects like bookshelves or soap holders where very hard peel adhesion treatment of the pads takes place. The customer has to test if the application is possible with the tape in each single case.

"PP, PE and Teflon surfaces":

Please do not use the tape for bonding applications on PTFE surfaces (e.g. Teflon®)! Applications on PTFE are

very difficult (much more difficult than on PP or PE) and the tape will not work on such a surface. Applications on PP or PE surfaces are possible, but please note that the maximum holding power is reduced.

"Surfaces with a "Lotus Effect" treatment or a non stick coating:"

Please do not use the pads for bonding applications on surfaces with a dirt repellent coating or treatment (e.g. "Lotus Effect")! These surfaces have dirt-repelling properties after a special treatment procedure and normal adhesives are not able to stick on these surfaces. The tape will not work on such a surface.

General remarks for mounting applications:

- The bonding surfaces must be free of dirt, dust, oil and grease and it must be dry. Clean surfaces e.g. with acetone, ethanol or white spirit.
- Avoid touching the adhesive with fingers during application: the grease which is normally on the fingers leads to a reduction of the adhesive strength.
- For application the tape has to be pressed firmly onto the object. Avoid including air bubbles between the tape and the application surface
- Gap-filling properties of the tape are limited to the thickness of the tape (~ 1 mm)
- Initial tack of the pressure sensitive tapes is very high (much higher than for a normal liquid adhesive), but final strength of the bonding needs 24h to be reached
- Ideal application temperature: +20 °C to +30 °C.
- Please avoid application of the tape < 10 °C!
- There is no problem for the pads to be handled <10 °C after application and reaching the final strength (after 24 hours) but for a successful application temperature must be >10 °C!
- Remark: application of the pads can damage delicate surfaces. In case of doubt the customer has to try application of the pad before use.

HEALTH AND SAFETY

Before using the product please see related Material Safety Data Sheet that is available on request.

“The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. f.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.”

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