

Technical Information

Pattex Mounting Tape Super Strong (120 kg)

I. Product

Product description:

Super strong double-sided foam mounting tape for permanent applications.

Field of application:

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



II. Technical Data:

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.



III. Application Remarks

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 $<10^{\circ}\text{C}$.

Attention:

Best results will be reached for applications on smooth surfaces and under ideal conditions; mounting of flat objects (thickness $< 10\text{ mm}$) to smooth metal surfaces.

Holding power is reduced for objects with a thickness $>10\text{ mm}$. 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) $<10^{\circ}\text{C}$

Recommended tape lengths:

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 $< 10\text{ mm}$) 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 2.5 kg weight (flat objects; thickness $<10\text{ mm}$).

For mounting of skirting boards take 5 cm of tape every 30 cm of the skirting board.

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.



IV. Further Remarks

The bonding surfaces must be dry and free of dirt.

Storage:

Store in a cool, dry place (< 30 °C)

Delicate surfaces can be damaged when removing the tape.

Disposal:

Household waste

Test mounting tape before application at a suitable place.

Different questions to Pattex Mounting Tape Strong (120 kg):

"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 120 kg. 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 tape 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 tape 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!

□ Please remark: application of the pads can damage delicate surfaces. In case of doubt the customer has to try application of the pad before use.

