Masking

Professional Tape Removal

Always try to remove tape at 90°C.
If the angle is increased or decreased, additional stress is placed on the adhesive which can cause a residue to be left behind.

Tape Removal

Don't rush. A moderate speed is best. Excessive rate of removal may cause slivering. Very slow removal increases the tendency to transfer adhesive.

Hot or cold Removal

Hot - This might reduce the effort to remove the tape but increases the chance of adhesive residue.
Cold - The adhesive is firm and removal is generally clean. Excessively cold temperatures can cause the tape to become brittle and sliver.

Warm Removal

This counteracts the downside of hot and cold removal. The adhesive is firm enough for clean removal and yet is not too firm to increase adhesion to a point where problems may occur. Recommended removal temperature range is 15° to 38°C.

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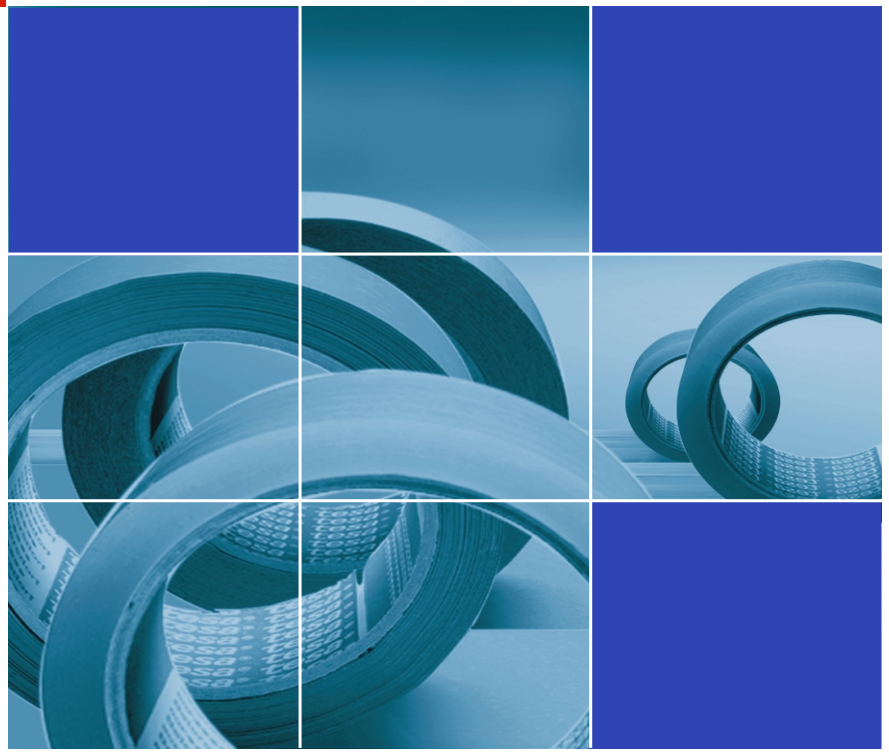
A guide to adhesive tape application

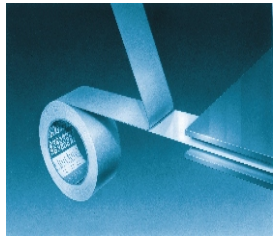


Surface preparation and storage

To guarantee optimum adhesion, surfaces to be bonded must be clean, dry and grease-free. Anti-adhesive substances on surfaces, such as dust, grease or wax must be removed before bonding. This can be achieved by using tesa surface cleaning wipes (enclosed).
We recommend tapes be stored in clean, dry conditions at a temperature of between 18°C - 20°C and 50% relative humidity.

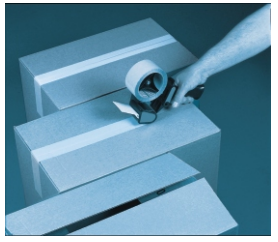
Application of adhesive tapes

An adhesive tape should adhere after application of moderate pressure at ambient temperature. Heat, water, solvents or any other form of pre-treatment are unnecessary.
Bonding should take place at an ambient temperature of around 18°C-25°C. To obtain maximum initial adhesion, even pressure should be applied (maximum adhesion is achieved only after several hours).



Packaging

When choosing a tape for closing cartons which have a high recycled fibre content, it is important to remember to choose a tesa tape with a high tack. We would recommend PP solvent based rubber (eg, tesa 4089), PP hot melt rubber (eg, tesa 4280), or PP water-based acrylic high tack (eg, tesa 4024).



Fastening

When choosing a double sided tape there are a number of issues to consider, even a few simple questions will help identify the most suitable tape(s). Firstly, it is important to know the type of surfaces being bonded - for example rubber based adhesives are better on surfaces with a low surface energy. Temperature is a consideration as acrylic adhesives have a higher temperature resistance: also a PET backing is better in this respect than PVC. The application lifespan is important, as well as if it is for use indoors or outdoors.