



Scan Me



Castle



Authorised Distributor
Industrial Products

3M™ Surface Preparation

Getting the maximum results from your tape or adhesive is a simple process, yet surface preparation is often missed in order to speed up a job.

To obtain the best results means that surface preparation needs to be considered. Ensuring the surface is clean, dry and ready for tape or adhesive application is key. 3M™ offer a range of products to help you achieve the best bond every time.

Surface Preparation Suggestions

- 1) Store tape in a clean, warm and dry environment, ideally in its original box.
- 2) Avoid finger contact with the adhesive surface of any tape.
- 3) Only use tape on applications where appropriate testing has taken place.
- 4) Assume all surfaces are contaminated and therefore cleaning is essential.
- 5) Loose / flaking surfaces should be removed with 3M™ VHB™ Abrasive Pads prior to surface cleaning.
- 6) Porous surfaces need sealing before bonding with tape.

Some substrates may need additional surface preparation to ensure a satisfactory bond. This includes (but is not limited to) powder coat paints, galvanised metals, brass, copper and low surface energy plastics (i.e - polypropylene / polyethylene etc.) some rubbers and glass.

On the overleaf there is just a small selection of our surface preparation products. We offer many more products within this range. If you have a requirement you would like to discuss please contact your Area Sales Manager or nearest branch.

PRODUCTS SHEET



Assume all surfaces are contaminated.



Remove rust from surfaces with abrasive pads.



VHB Surface Cleaning Solution.

3M™ VHB™ Surface Cleaner

1 Litre Bottle
(also available in Sachets)

- Cleans and degreases
- Colourless
- Low odour
- Quickly evaporates leaving no residue behind
- Use on metal, painted surfaces and most plastics
- Supplied in 1 litre bottles or pre-moistened wipes



3M Scotch-Brite Hand Abrasive Pads

7447



All purpose Very Fine Scotch-Brite abrasive pads

- May be used by hand, with a hand pad block, or on an in-line sander
- Very Fine grade aluminum oxide
- Used to aid preparation of materials for bonding with tapes or adhesives

3M™ Primer 94

94



Durable adhesion promoter

- Promotes adhesion of tapes to surfaces traditionally difficult to bond to
- Works with most polyethylene, polypropylene, ABS, PET/PBT blends, concrete, wood, glass, metal (can be used on most painted metal surfaces)
- Fast drying
- Apply by brush or swab
- Supplied in 230ml tins & bulk supply

3M™ Spray 77 / Scotchweld 10

SP77/SW10



Adhesives for increase bond strength

- Use on wood, MDF, plaster, brickwork
- Helps improve bond strength on porous surfaces
- 3M™ Super 77 is supplied in a handy 500ml aerosol
- 3M™ Scotch Weld 10 comes in 1 litre & 5 litre tins, apply with brush, roller or squeegee

3M™ VHB™ Silane Glass Primer

1 Litre Bottle

- Used to stop moisture undercutting bond area
- Helps to give optimum bond strength and durability
- Use in harsh, moist, outdoor applications
- Fast drying
- Available in 1 litre bottles



3M™ 111 Adhesion Promoter

111



Isopropyl alcohol based adhesion promoter

- Cleans and promotes improved adhesion all in one step
- Helps improve adhesion level and durability of most tapes
- Use on bare or galvanised metals and painted surfaces
- Supplied in 1 litre bottles

Castle Tapes and Industrial Solutions

Nottingham T: 0115 939 6061 Walsall T: 01922 626664
E: Nottingham@castletis.co.uk E: Sales@castletis.co.uk



@Castle.TIS



linkedin.com/company/castle-tis



castletis.co.uk