

Good Practice Guide

WHEN USING ENVIROSTIK SPORT-FIX MULTI PURPOSE ADHESIVE FOR SEAM BONDING:

a) PROTECT THE ADHESIVE FROM EXTREMES OF HOT OR COLD BY STORING BETWEEN 10 AND 15°C

EFFECTS - Use of Adhesive at High Temperature

1. Mix will be thinner the higher the temperature.
2. Mix will cure more rapidly and give less working time.
3. Mix will absorb more into geo-textile tape, thus risking adhesive starvation.

REMEDY

Try to keep the adhesive out of the heat as much as possible before use. If this is difficult, reduce the time from mixing to application to a minimum. Also, compensate for lower viscosity and absorption into tape by increasing application rate.

EFFECTS - Use of Adhesive at Low Temperature

1. Mix will be thicker the lower the temperature.
2. Mix will cure much more slowly.

REMEDY

Try to keep the adhesive out of the excessive cold before use. Ensure thorough mixing of adhesive and hardener.

Addition of Rapid-Set will compensate the cold by promoting faster cure time.

b) APPLY SUFFICIENT ADHESIVE ACCORDING TO THE CARPET BACKING TYPE

EFFECTS - Not Enough Adhesive Applied

1. Carpet will bond only in small areas, usually where the fibre stitches are raised.
2. Bond strength is thus weaker than expected.

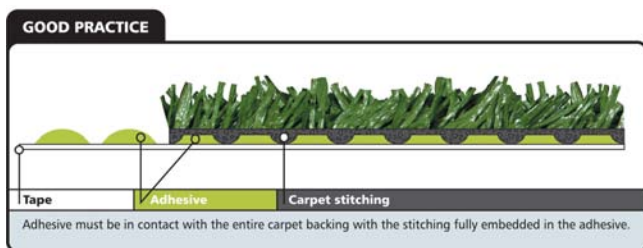
REMEDY

Apply sufficient adhesive (green) to fill the gaps between stitches (black) completely. On standard 300mm wide tape this can mean varying coverage rates as low as 15 linear metres per 11 kg mix of adhesive on some of the very long pile, heavy stitched carpets, and up to 25 linear metres on smoother backed medium/short pile carpets.

TEST THE CARPET BEFORE USE TO DETERMINE CORRECT COVERAGE RATE!

DO NOT ASSUME THE NOTCHES ON YOUR APPLICATOR - APPLY THE CORRECT AMOUNT!

(Test application rate by applying adhesive to tape and pressing carpet into adhesive. Remove and if rate is correct adhesive will have spread evenly over the whole area of the carpet).



c) ENSURE THOROUGH MIXING OF ADHESIVE AND HARDENER COMPONENTS

EFFECTS - Incomplete Mixing

1. Adhesive will not cure to a consistent tough film.
2. 'Soft spots' will cause poor bonds.

REMEDY

Use mechanical mixing device whenever possible and ensure that hardener and adhesive are thoroughly mixed together. Pay particular attention to adhesive around sides and on base of tub.

If you have any doubts that mixing is not 100% pour contents into another container and remix.

d) APPLY ADHESIVE EVENLY OVER 250mm WIDTH OF 300mm TAPE AND POSITION CARPET JOINT DOWN THE CENTRE OF THE GLUED SEAM TAPE

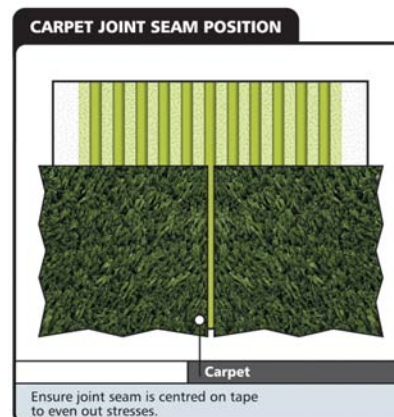
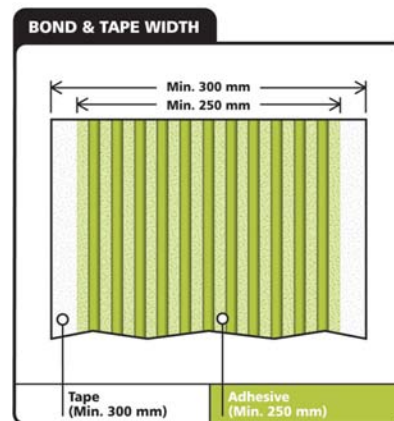
EFFECTS - Insufficient Adhesive and Carpet Seam Badly Positioned

1. Too little adhesive weakens bonding area at joints.
2. One side of joint has too small a bonding area and thus is weakened.

REMEDY

Apply right amount of adhesive consistently over correct width of tape. Position carpet edges down the centre of the glued tape.

For cut out lines use a wider tape to allow for the extra seam joint. This particularly applies to inserted curved lines.



e) REMOVE THE TAPE FROM AN EXISTING SEAM JOINT THAT IS GOING TO BE IN CONTACT WITH A GLUED AREA OF A NEW JOINT.

Remove the tape from an existing seam joint that is going to be in contact with a glued area of a new joint that will cross the seam, for example a cut in line fitted at right angle to the existing joint.

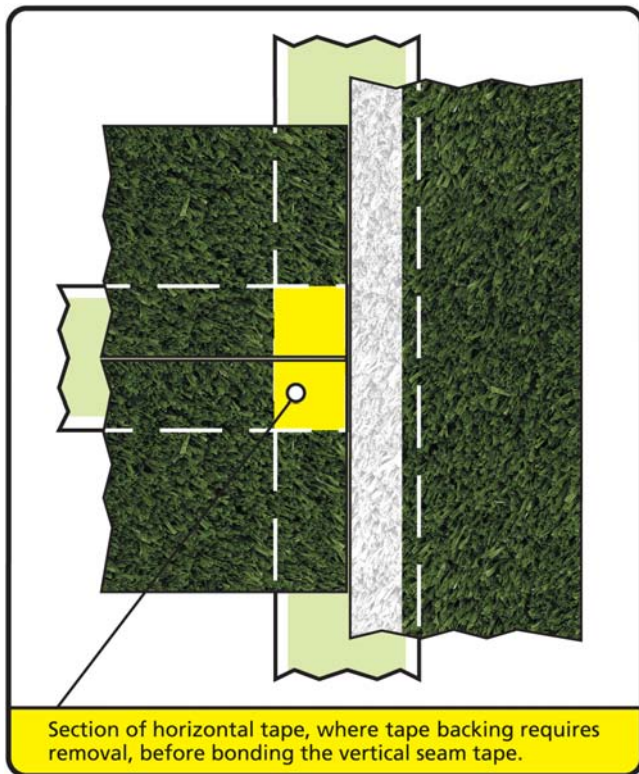
EFFECTS - Non Removal of This Section

Adhesive will not bond to the plastic backing of the jointing tape. This can result in a bond failure in the area where a newly applied glued seam is in contact with the plastic backing e.g. in the fitting of a cut in line.

REMEDY

Remove the plastic coating by cutting and removing the existing tape away from the area which will form the new bond line. This can be done by removing just the filmic layer from the tape. In the event of the tape having a sealed plastic coating on the back, then the tape should be slit and the whole area removed.

The yellow area represents the section of horizontal tape, where it is necessary to remove any film backing, before bonding to the vertical seam tape.



f) CONSOLIDATE THE ADHESIVE BOND BY APPLYING CONSTANT LIGHT EVEN PRESSURE UNTIL CURING IS COMPLETE

After adhesive has been applied and the carpet seams fitted, the adhesive requires time to solidify until it is certain the carpet cannot separate from the jointing tape.

EFFECTS - Use of Too Heavy Roller

1. Adhesive will be squeezed out of bond line.
 2. Adhesive will be forced into the geo-textile tape.
- Both effects will lead to adhesive starvation.

EFFECTS - Application of Little or No Pressure

1. Pressure may be insufficient to 'bed' the carpet evenly into the liquid adhesive layer.
2. Carpet may not hold down flat in contact with adhesive and tape.

REMEDY

Always apply light even pressure to bond initially and maintain pressure until adhesive has cured. Application of some sand immediately after making the joint is common practice. Also the use of flat wooden planks, layed down the centre of the joint, is another effective way of maintaining even pressure.