

Installation Instructions

GENERAL REQUIREMENTS

Surface:

- The crack in the pavement **must** be less than 5mm and depth of the crack less than 20mm
- **INSTABAND ECO** overbanding is compatible with all asphalt surfaces and can also be installed on non-bituminous surfaces (e.g. concrete) when using a primer (sealer).
NOTE: Old and/or polished asphalt also require the use of a primer.
- **INSTABAND ECO** overbanding can be applied on top of old thermoplastic markings. Make sure to scrape off loose material and then remove any moisture and dirt. **Do not** apply **INSTABAND ECO** overbanding on top of paint, cold plastic and tape markings.
- The surface **must** be horizontal with only little slope.
- The surface **must** be free of loose stones, dirt, dust, chemicals and oily substances. Remove these by using a broom, high pressure water or consequently grinding.
- The surface **must** be totally dry before installation! Remove all moisture from the application area using the gas burner.

Storage and Handling:

- **ECO** overbanding material **must** be kept dry at all times – in storage, in transit and on the job.
- **ECO** overbanding material **must** be stored between 2°C and 32°C.
- **ECO** overbanding packages **must** be stored flat and stacked max. 25 packs high.
- **ECO** overbanding material **must** be handled with extra care in temperatures below 10°C as it will be less flexible. Rolls can be kept above 10°C at the time of application on order to improve unrolling.
- "Cut and paste" is possible with **INSTABAND ECO** overbanding. Use a knife to score the material and carefully break it along the score. In warm weather scissors can be used.
- Shelf life is 6 months.

Safety precautions:

- Protective clothing (leather boots/work shoes and long trousers) should be worn whilst applying **INSTABAND ECO** overbanding. **NOTE:** No synthetic fabrics should be worn.
- The person(s) making the installation should, if possible, always have the back up against the wind so that the gas burner flame is kept away from the body.

INSTALLATION

Application on asphalt:

1. Clean application area thoroughly by removing all sand, dirt, chemicals and oily substances.
2. Remove all moisture present (if any) in the surface and down in the cracks with the gas burner.
3. In low temperatures place the roll **ECO** banding on the surface and warm slightly, this will help to unravel the roll without breaking.
4. Place **INSTABAND ECO** overbanding material on the road surface with the "beaded" topcoat facing up. Make sure the individual pieces are positioned correctly at the centre of the crack.

5. Heat **INSTABAND ECO** overbanding using a powerful gas burner (pressure min. 3 bar). Move the flame slowly but steadily 10 to 30 cm over the material in a sweeping motion so that heat is evenly applied. The **INSTABAND ECO** overbanding *must* be heated until all the material is liquid (approx. 200 °C).

6. Sufficient heat has been applied when the following things are evident on all parts of the material:

- The material is liquid and starts to bubble (like it is boiling).
- The edges of the material have settled/fallen down against the road surface .
- The individual pieces have fused together into one marking .

7. Applying insufficient heat will result in inadequate bonding and failure. If overheated, superficial scorching of the material can occur by means of brown blotching, but this discolouring will soon disappear once the marking is exposed to traffic and weather .

8. **INSTABAND ECO** overbanding will cool down and harden within 5-10 minutes after end installation depending on air temperature . If needed, the cooling down time can be speeded up by spraying cool water .

9. When **INSTABAND ECO** overbanding has cooled down to near ambient temperature, inspect for correct installation by trying to lift parts of the material from the surface using a knife or chisel . This should be done both at the edges and by making "V-shaped" cuts in the material. If material can be lifted without evidence of asphalt on the underside, insufficient heat has been applied. Simply reapply heat until adequate bonding has occurred .

NOTE: Do not leave the job until a sufficient bond has been established. Attempts to reheat at a later date will be unsuccessful due to trapped moisture beneath the **INSTABAND ECO** overbanding material .

Application on non-bituminous surfaces:

1. Follow steps 1 and 2 as stated for Application on asphalt .

2. Apply primer (sealer) on to the entire surface area where the marking is to be installed . Allow the primer to dry until it is no longer sticky . The more porous the surface, the more primer is required. **NOTE:** Do not speed up the drying process by using the gas burner, as the primer is flammable at this stage .

3. Continue with steps 3 to 9 as stated for Application on asphalt . **NOTE:** When trying to lift material parts in order to inspect for correct installation, surface parts must be present on the material underside or, alternatively, some of the **INSTABAND ECO** overbanding material must still be sticking to the road surface .

NOTE: Road markings on new cement/concrete surfaces may generate adhesion difficulties even when using the recommended primer. The drying time of the cement/concrete and the transpiring of salts, alkalis and other additives or coloured pigments is difficult to evaluate and always inconsistent . Total elimination of the chemical reactions can pursue slowly and last some weeks or even some months after application of the concrete .

PRODUCT TRAINING

All end-users of **INSTABAND ECO** overbanding have the possibility to receive authorized guidance or product training free of charge. For first-time users of **INSTABAND ECO overbanding**, this is highly recommended! Please contact Instarmac for further information on +44(0)1872 872244 or email enquiries@iinstarmac.co.uk.