

Applications Instructions For “Self Adhesive” Type Temporary Studs

A temporary road stud for traffic delineation

Recommended Use

Start Traffic Ltd's StartMark temporary roads have been designed for use in temporary traffic management schemes, on edge of carriageways, buffer zones or as lane line markings. The studs will give good performance on all types of surfaces, where they can be removed after works leaving little or no adhesive marks on the road surface.

Application

The road surface where the studs are to be applied should be clean, dry and free from dust or loose material. Application is not recommended when the ambient temperature is below 5°C. Studs must not be applied to a wet surface. In order to activate the full properties of the adhesive, the road surface should be gently pre-heated to a temperature of 50°C (hand hot), care must be taken to ensure that the road surface is not overheated as this will cause damage to the surface. If prevailing ambient temperature conditions are low, then the adhesive pad attached to the stud should be warmed to above 10°C.

The release paper on the base of the stud should then be removed carefully and the stud placed into position. Firm foot pressure should be immediately applied to the stud to ensure good contact with the surface. Then a vehicle should slowly overrun the applied studs so that a small bead of adhesive appears around the base of the stud.

When applying studs to certain surfaces and in adverse weather conditions, an adhesion enhancer may be found to be beneficial. Application to be as above but after heating the surface, the following additional instruction should be noted.

A solvent based adhesion enhancer named Motorway Glue, can be applied to the load-bearing surface where the stud is to be positioned and it is important the adhesive be tack cured before applying the stud, application improves the performance of the adhesive bond particularly in adverse weather conditions but care should be taken in it's use and particularly with new SMA type surfaces. The supplier material safety data should also be read in conjunction with these recommendations and available on request.

The installed studs should be allowed to cure from a simple test of not being able to remove by hand on its adhesive pad before opening the road to traffic.

Removal

Studs must be removed by sliding a shovel along the road surface and under the edge of the studs slicing them off the surface. Studs must never be levered off the road surface, as this will cause damage to the carriageway.

Any remaining adhesive should be removed by traffic when the carriageway is opened.