

Product Description

REFLEXITE® Channeliser Film is a high performance retroreflective film ideal for increasing worker visibility in areas where there are moving vehicles with headlights. It is readily computer cuttable into custom shapes as well as being highly conformable. Hence it has an ideal application for use on shaped surfaces such as hard hats.

Product Construction

The base film is PVC and it is laminated with clear polyurethane as a topcoat for added toughness and scratch resistance. The retroreflective elements are tiny metallised prisms (known as microprisms) that are located to the rear of the PVC film and are thus completely sealed from the external environment. An adhesive is laminated directly to the rear of the microprisms. Unlike many other retroreflective materials, Reflexite® Channeliser Film has no cellular structure, thus requiring no edge sealing. It also has the advantage of being effectively a monolayered product with no known delamination problems. The product is supplied with a siliconized paper release liner.

Retroreflective Performance

Reflexite® Channeliser Film has a typical retroreflective performance when new of 700 CIL when measured at an observation angle of 0.2° and an entrance angle of 4.0° . This performance level is nearly ten times that of standard glass bead retroreflective materials.

Adhesive

The adhesive used is a hybrid, which presents to the helmet surface as a benign rubber adhesive. This adhesive was specifically designed for plastic surfaces common in hard hats. Importantly, rubber adhesives will not attack or degrade ABS plastic, as can be the case with certain solvent based adhesives.

