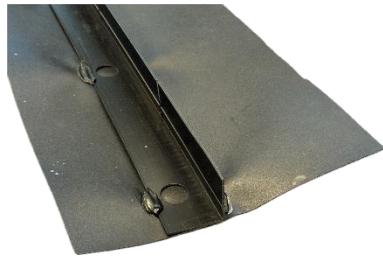


Tear Indicator with welded Membrane



The tear indicator provides a controlled plane of weakness to direct shrinkage cracking in concrete. The tear indicator with a welded membrane strip is installed by hot-air welding or by bonding the membrane with hot-melt adhesive. This ensures that any shrinkage-induced cracks in shotcrete develop where the indicator is placed. One leg of the angle profile is slotted at regular intervals, enabling installation on curved surfaces without buckling of the plastic. The welded membrane functions as a debonding (bond-reducing) layer. For correct performance, the indicator shall be embedded to a depth corresponding to approximately 2/3 to 3/4 of the concrete thickness.

Installation:

Surfaces shall be clean, dry, and free of oil, grease, and other contaminants. PE membranes that have been stored for an extended period may exhibit slight surface oxidation; to improve adhesion during welding, remove the oxidation layer with a suitable solvent, e.g., Sarnafil/Sika T-Prep.

Stock Programme:

Tear indicator, 70 x 70 mm (L = 3000 mm), with 400 mm welded membrane strip.

Other dimensions are available on request.

Technical information:

Tear indicator: 70 x 70 x 2 mm HDPE.

Membrane: 400 x 1.0 mm LLDPE.

Joining: 20 x 3 mm HDPE wedge weld and overlap weld, at 300 mm c/c.

Weight: approx. 2.6 kg.