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Preformed Thermoplastic Installation Instructions

General

- Product can be applied over asphalt, new thermoplastic, old thermoplastic and roughened or unpolished concrete. When applying over concrete, a sealer must be used. Sealer is available from Gentem Inc.
- Product should not be applied over waterborne paints, organic solvent-based paints or cold plastic (MMA).
- In cold temperatures, protect the product. All preformed thermoplastic becomes brittle in cold weather and should be handled gently. Avoid bending dropping or tossing.

Surface Preparation

- Surfaces must be free of loose gravel, dirt, dust, oils, curing compounds or chemicals. The use of power blowers or compressed air for loose contaminants is recommended.
- Surfaces must be dry. If uncertain, use a heat source.
- For a neater sealer application carefully trace the marking.
- Over oxidized thermoplastic, grinding followed by blowing is recommended to expose fresher material.

Application

- Following surface preparation, layout and align the markings using string lines, chalk and/or lasers. Ensure no gaps are present on adjoining pieces - a slight overlap is permissible.
- Keep the flame (heat source) 5 to 8 inches above the material and move in a slightly overlapping pattern. Stand downwind of any open flame.
- Using an infrared thermometer, heat should be brought up and maintained for a short while at 355F (180C) but should never exceed 390F (200C). To avoid scorching the material, raising the heat in a controlled manner is much better than quickly blasting the preformed with a high intensity flame.
- If the material begins to scorch, move on. Gentem Preformed Thermoplastic does not need to be heated to the point of scorching but does require adequate heat for bonding. Insufficient heat will result in bonding failures while too much heat or too close a flame will scorch and may permanently discolor the material.

Application Temperature Note

- Although Gentem Preformed Thermoplastic has no minimum ambient temperature requirements and requires no preheating of the underlying surface, in temperatures below 40 degrees, we recommend warming the surface slightly. This not only helps adhesion, but also reduces the surface moisture.

Chisel Testing

- Gentem recommends chisel testing your installation once the material has been installed and cooled.
- Hammer a “V” into the marking and peel it back. A proper bond will show asphalt stuck to the back of the material. If you cannot see any pavement on the cut, then the material needs additional heating. On concrete, the material should separate and the underlying concrete should not be overly visible.
- To repair the “V” simply push the material down and heat until it re-melts.