



The mark of enduring quality

Preformed Thermoplastic

Prismo® Preform

APPLICATION METHOD

Equipment:

- Protective Clothing
- Broom/Power Blower
- Propane Gas Torch
- Chalk Sticks/Snap Line
- Utility Knife or Scissors
- Chisel
- Prismo® CP Primer (if needed)
- Paint Roller (to apply Primer)
- Drop on Material (if needed)

Surface Conditions:

Road surfaces (or existing road markings which are to be overlaid) should be completely dry, free from defects, surface contamination and loose or flaking material. Concrete-curing agents not removed by traffic action should be manually removed from the surface prior to the application of the preform material.

Surface Type	Surface Preparation
Asphalt – New	Primer is not required.
Asphalt – Old/smooth	Prime the surface with Prismo® CP Primer.
Concrete	Prime the surface with Prismo® CP Primer. Manually remove any concrete-curing agents that have not been worn away by traffic.
Concrete – Newly laid	Allow the surface to cure for approximately 4 weeks to avoid reactions with concrete-curing agents. Prime with Prismo® CP Primer. Manually remove any remaining concrete-curing agents.
Block paving	Prime surface with Prismo® CP Primer. Make sure there are no loose blocks as this could crack the preform material.
Existing paint markings	If applying over existing paint markings, use Prismo® CP Primer.

Storage:

- Keep the material dry at all times and avoid extreme storage temperatures.
- The preform material should be stored indoors at temperatures between 5 °C and 40 °C.
- Packages should be stored flat and stacked a maximum of 30 boxes high.
- The preform material is highly flexible, but we recommend handling with care in temperatures below 10 °C as it will be less flexible in colder conditions.
- Shelf life is 2 years from the date of manufacture.

Health and Safety:

- **Read and understand all material safety data sheets before using this product.**
- Wear protective clothing such as appropriate footwear, long trousers, safety vest and gloves.
- Avoid all contact with the molten material and heat gun flame.
- The propane gas cylinders must be used in the standing, upright position with the valve being the uppermost part. Do not use the torch if the propane cylinder is not in the upright position as this may allow liquid gas to flow into the torch assembly possibly causing damage to the torch.



Clean area



Remove moisture



Outline before priming



Position material



Heat material



Post sprinkle (if applicable)



Inspect

1. Use a power blower, compressed air or a broom to clean the application area thoroughly. Remove all loose particles, sand, dirt, dust, de-icing agents, chemicals and oily substances.

2. Ensure the application area is completely dry. Remove all moisture by drying the area with a gas torch.

3a. New asphalt:

No need to use a primer.

3b. Old/smooth asphalt, concrete, block paving, applying over existing paint markings:

Use Prismo® CP Primer. Decant the primer onto the surface of the designated area, then use a paint roller to apply the primer evenly, ensuring that the surface is fully covered with no excess material left in surface indentations. Allow the Prismo® CP Primer to dry before applying the preform marking. This can be between 5–15 minutes depending on ambient temperatures.

***Pro Tip:** Use chalk to outline the preform shape before priming. Apply the primer only within the chalk line to prevent the primer from being visible.

4. Position the preform marking on the surface with the ‘smooth surface’ facing down and ‘textured surface’ facing up. There should be no gaps between any adjoining segments. The edges can be very slightly overlapped if necessary. Check to ensure that proper layout and alignment is obtained before heating the material.

Note: Rolls can be easily cut to your desired length using a utility knife or scissors. For other applications, the material will be pre-cut and pre-assembled.

5. Using a gas torch, heat the preform material slowly with a sweeping motion of approximately 60-90 cm wide, keeping the nozzle of the torch 10-20 cm above the material.

***Pro Tip:** Position yourself with the wind at your back as you face the marking, this will allow the wind to move the heat over the unheated portion of the material while at the same time keeping the heat away from your feet.

Note: The preform material must be heated above its melting temperature (80 °C) to achieve a sufficient bond with the road surface. Insufficient heat will result in inadequate bonding and failure. It is important to maintain a minimum distance of 10 cm between the torch nozzle and the material. Any closer will cause superficial scorching of the material without adequate melting throughout.

6. Continue to heat the preform material until the underlying surface indentations are visible in the molten material. At this point stop the heating process, and if post sprinkling, distribute the drop on material across the heated area.

7. After the material has cooled to near ambient temperature, inspect the recently applied material to ensure that complete bonding has occurred over the entire area. Use the tip of a chisel to try and lift the edge of the material off the surface. If the material lifts, reapply heat until adequate bonding has occurred.

Note: Do not leave the project until a sufficient bond has been established as attempts to reheat later will be unsuccessful.

