

TechShield High-Temp Paint

Overview

This product is designed for professional use. However following these instructions closely will enable most users to achieve premium results.

Safety Notes

Use in well ventilated areas.

Protective gloves, safety glasses and also a paint filtered carbon mask must be worn at all times. Health, safety and environmental information are provided for this product in the Materials Safety Data Sheet (MSDS). This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.

Application Methods

- Brush / Roller Spray Micro-Fibre
 Sponge

Professional Application only.

* Detailed application methods can be found in the Product Application Guide.

Applicable Surfaces

Exhausts, manifolds, turbos, headers, industrial etc...

Surface Preparation

- Remove all coatings, oils and contaminants from substrate with either unapproved de-greasing chemical and / or by heating substrate to temperatures high enough to remove coatings or contaminants.
- It is recommended but required, that metal parts are placed in an oven at 150°C - 200°C for approximately 30 minutes to evaporate any last minute moisture, oils or contaminants.
- A blasted profile or heavy sand with minimum P80, must be performed to the substrate to remove any rust, scale or other coatings. This is required to ensure maximum adhesion. Remove any sharp edges that may create thin areas or protrude through the coating. For best results, use a dry grit material such as aluminium oxide or garnet equivalent to a 100-120 mesh size. Glass beads are not recommended as they are not aggressive enough to produce a sufficient blast profile. Profile plastic and wood parts lightly (~40psi). Clean with acetone.

Surface Preparation cont.

- Hang parts to allow for best view and application access. This can be done by using support wires or hooks. Make sure to place parts in such a way that they will not bump into each other. **Do not touch parts with bare skin.**

Product Preparation

- Shake Techshield High-Temp Paint until the coatings is completely mixed and no solids remain at the bottom of the container. Failure to completely disperse the product will result in poor chemical ratios and product failure.

Application Methodology

- Blow off substrate with a high pressure air nozzle to remove any dust left on the surface.
- Recommended spray equipment is a siphon-fed detail gun or gravity fed gun with a fine to medium tip (0.8mm recommended). The use of a small spray tip pattern will aid in coating hard to reach areas without excessive build up in surrounding areas. Electrostatic application may also be an option. **Material des not need to be thinned. Use as received.**
- A single application of product is recommended for a 25-50 micron film thickness. Work from the most difficult surface out to the easiest. This will aid in reducing runs or excessive build up.
- Clean tools with acetone.

Curing & Secondary Coatings

- Allow to air-dry. Parts will b tack free after approximately 35 minutes. Until this point the coating is still wet, so take care not to bump or touch the parts. Parts will be partially cured after 24 hours and fully cured 5 days after application.
- Secondary coats can be applied if required whilst product is tacky to the touch.
- Parts can be moved after 24 hours.