

UNITHERM® TORCH KIT

Fusion Powder Spray

The **UNITHERM** Torch and Fusion Spray powders are designed to surface or join parts. The resultant deposits help avoid destructive wear caused by one or more of the following.

Abrasion
Impact

Friction
Heat

Corrosion
Erosion

An important feature of this process is that the heated metal powder particles are transferred to the work without being exposed to the air, and therefore, avoid oxidation. Anyone with standard Oxyacetylene equipment can use the process.

The torch may be used with any fusion powder and our powders may be used with any fusion powder spray torch.



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Typical powder coverage:

Powder feed rate:

100 sq. in. x .020 in. thick = .6 lb.

0-6 lb/Hr

100 cm² x .05 mm thick = 45 grams

0-2.7 Kg/Hr

POWDERS

You may choose from a wide range of fusion powders to suit the base metal and intended service. Deposits go on smoothly and precisely even on irregular surfaces and may be as thin as .003 in. (75 microns) or as heavy as you would like them. This makes it possible to avoid finish machining in many cases.

ECONOMICS

Cost of powder, labor and gas are, in all reality, negligible when compared to the cost and availability of replacement parts. Further important savings accrue as a result of the extended service life and lower down time for the parts being repaired.

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