

F138-12 Working Metals

### **Working Metals Expands Its Metal Spraying With Metallisation Equipment**

Working Metals Limited, specialist architectural metalwork fabricators, has expanded its metal spraying services with the purchase of Metallisation equipment.

Working Metals, based in Uckfield, East Sussex, provides bespoke commissioned contract work to individuals and businesses. The company has now added bronze and copper metal spraying to its services and is amazed with the results. Working Metals' clients are mainly London based architects



and are made up of companies that are always looking for new and innovative metal finishes.



Working Metals has always embraced the challenge presented by its creative customer base and has produced some stunning results using the new Metallisation MK61 Flamespray equipment. Amin Taha Architects, one of Working Metals customers, recently specified thermal sprayed bronze to be applied to steel

window and door frames and a roof section used in the renovation and conversion of a project in Golden Lane, Islington. The abundant use of bare metal is completely in keeping with its previous design as an industrial piece of architecture. The bronze finish to the steelwork adds a warmth to the building.

Julian Parker, Owner and Director of Working Metals, says: 'We have been truly amazed by the positive response we continue to receive from interior designers and architects, with the bronze finishes we have shown them. We are currently working on an expansion programme enabling us to handle larger projects, with a dedicated patination team. We are finding that the ability to patinate the sprayed material greatly increases its scope and potential uses.'

Working Metals opted for the Metallisation MK61 oxy-acetylene system, which is most commonly used for manual or semi-automatic anti corrosion coatings applied to protect steelwork from corrosion. The system can be supplied as stop/start or continuous spraying, the latter gives a slightly higher throughput than the former.



In the Metallisation Wire Flamespray process, the raw material in the form of a single wire or cord, is fed by a driven roller system into the centre of an oxygen-gas flame where it is melted. An annular air nozzle then applies a jet of high-pressure air, which atomises and projects the molten material towards the work piece. The molten spray solidifies instantly on the component surface to form a dense, strongly adherent coating that has no drying or curing time. The driving of the wire is typically via an air motor and gearbox that forms part of the pistol. The gas fuel used varies, depending on the wire to be sprayed and in some cases, the application. The two most common gas fuels used are Propane and Acetylene.

Julian continues: “We have worked closely with Metallisation from start to finish and have been very impressed with the company. Their product awareness and knowledge of metal spraying is second to none. The team also provided training for our staff, which has been invaluable, as it meant we have been able to use the equipment to its maximum capacity from day one.”

A video of the metal spraying of the decorative steel work is available to view on the Metallisation website [www.metallisation.com](http://www.metallisation.com)

Established in the UK in 1922, Metallisation is synonymous with metal spraying to a diverse range of industries around the world. Thermal metal spraying is a technology, which protects and greatly extends the life of a wide variety of components, structures, equipment and vessels, in the most hostile environments and in situations where protective surface coatings are vital for longevity.

For further information please call Stuart Milton on 01384 252 464 or you can visit [www.metallisation.com](http://www.metallisation.com)

... ends ...