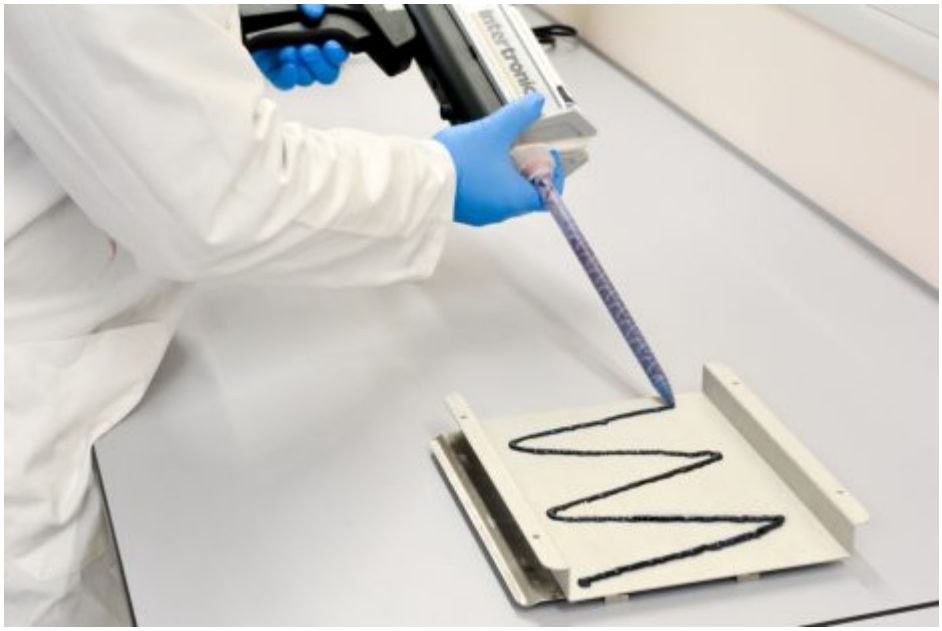
High temperature adhesive for metal bonding in automotive, rail and component manufacturing



SCIGRIP® SG800 High Temperature MMA Methyl Methacrylate Adhesive is a two component structural adhesive for bonding metals, as well as composites and plastics. Designed to withstand temperatures up to 150°C over prolonged periods, SCIGRIP SG800 is suitable for applications like under the bonnet engine bay component assembly and metal bonding prior to paint baking cycles. It displays good strength retention, fatigue and impact resistance at elevated temperatures.

SCIGRIP SG800 has several characteristics that make it suitable for variety of assembly operations, including its ability to provide a primerless metal bond that requires little to no surface preparation by the user. Formulations are available with different working times (4 to 15 minutes), to provide

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flexibility for a variety of transportation and industrial assembly operations — keeping assembly lines moving at the customer's pace. For straightforward application, SG800 is supplied in pre-measured, side-by-side double syringe cartridges and includes static mixing nozzles.

At high temperatures SG800 has good strength retention and outstanding environmental and chemical resistance. The material performs well in industry standard tests including ASTM D3163 and truck manufacturer PACCAR's CMT038.

SG800 is specially formulated to meet the needs of the bus, truck, and rail industries, however, it can be applied in broader applications and is suitable for you to trial if you are metal bonding (including aluminium, mild steel, stainless steel, or coated metals), and bonding metal components prior to paint bake cycling.

MMAs are fast curing, two-part adhesives that cure on mix at room temperature to form resilient bonds. They are commonly used in industries like marine, transportation, rail, automotive, and many others for structural bonding of metals, plastics, and composites. The materials have excellent surface wetting and adhere well to a broad range of substrates. MMA technology bridges a gap between epoxy and polyurethane adhesives, offering toughness, fatigue resistance, and high peel strength while maintaining high lap sheer performance.

Interested in trying them out? **Let us know**.

Supplied by:

intertronics

INTERTRONICS
12a Station Field Industrial Estate, Banbury Road, Kidlington
Oxfordshire England OX5 1JD
t 01865 842842 e info@intertronics.co.uk

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