

Fuel Cell - Cooling Plate Bonding IRS 2125

Application

Bonding and sealing of cooling plates to fuel cells.

Substrates bonded Stainless Steel 316

Process Bonding

Pre-treatment None

Curing conditions 85°C for 2 hours

Resistances required

- Chemical and fluid resistance
- IP68 continuous immersion rated seal

Customer benefits

- 150°C temperature resistance far exceeds normal fuel cell operation
- Forms flexible bonds which can withstand vibration during fuel cell operation
- Supplied in premeasured, two-part cartridges simplify production process



Product description

IRS 2125 Flexible Epoxy Adhesive is a flexible, high strength black resin system, useful for many bonding, sealing and insulating applications.

Features and benefits

- Excellent flexibility giving high shear and peel strength
- Tough bonds withstand vibration and flex
- Outstanding chemical and fluid resistance, including moisture, diesel and fuel oils, hydraulic fluid
- Will operate at temperatures of up to 150°C
- Can seal to IP68, continuous immersion
- Long shelf life – 18 months from date of manufacture

Suitable in applications involving:

- Cable harness assemblies, wiring, cable joints & terminations, heat-shrink sealing
- Electronics
- Structural bonding



Let's start by talking about your application

t 01865 842842
e info@intertronics.co.uk
www.intertronics.co.uk

intertronics

Station Field Industrial Estate
Banbury Road, Kidlington
Oxfordshire, England OX5 1JD