

# IRS 2129-1 Rubber Modified Epoxy Adhesive



## Description

**IRS 2129-1 Rubber Modified Epoxy Adhesive** is a high performance black resin system. It is designed for the bonding of dissimilar materials, and is particularly suited to bonding rubber or bonding rubberised surfaces. The flow of the material has been modified to prevent 'slump' and cures to a semi-rigid finish, which is ideal to help prevent stresses in components and the bonding of materials in a dynamic environment. A two part system with a simple 1:2 mix ratio, it is supplied in a convenient side-by-side double syringe cartridge, complete with static mixing nozzles.

## Features & Benefits

- Bonds well to rubberised surfaces
- Excellent adhesion to a variety of metals, rubbers, GRP, wood, glass
- Non-toxic
- Thixotropic
- High impact resistance
- Very good adhesive to plastics like ABS, PVC, PC, PMMA
- RoHS compliant

## Specifications

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Mix ratio by weight	0.6:1	
Mix ratio by volume	1:2	
Viscosity	Thixotropic	
Colour	Black	
Specific gravity	1.01	
Pot life	20 minutes @ 20°C	
<b>Cure schedule</b>	<b>Bondline temperature</b> 10°C 20°C 30°C	<b>Time</b> 32 hours – full cure 16 hours – full cure 8 hours – full cure
<b>Typical properties</b>		
Hardness, Shore A	90	
Temperature range	-50 to +140°C	
Thermal conductivity	0.25 W/mK	

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Tensile strength	18 MPa	
Compressive yield strength	<10 MPa	
Coefficient of linear expansion	80-100 ppm/C	
Volume Resistivity	$13 \log_{10} \text{ohmm}$	
Electric strength	22 kV/mm	
Water absorption (7 days @ 23°C)	0.35%	

Lap shear adhesion				
Aluminium to Aluminium	17.8 MPa		ABS to ABS	3.1 MPa
Copper to Copper	14.7 MPa		Nylon 6 to Nylon 6	4.3 MPa

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## Lap shear adhesion

Stainless Steel	17.3 MPa		Acrylic to Acrylic	2.6 MPa
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## Other Information

Our [Technical Bulletins & Articles](#) page has links to:

- Technical Bulletin: [Instructions: 50ml Side-by-Side Double Syringe Cartridges](#)

## Ordering Information

IRS 2129-1 is available in a convenient side-by-side double syringe cartridge.

The IRS2129-1-50KIT contains a 50 gram cartridge of epoxy, a Syringe Gun and three static mixing nozzles. It is ideal for product evaluations or small quantity users.

## Ordering information

# IRS 2129-1 Rubber Modified Epoxy Adhesive



Ordering information	
Part number	Description
IRS2129-1-50G	Rubber Modified Epoxy Adhesive, Double Syringe Cartridge, 50 gram
IRS2129-1-200G	Rubber Modified Epoxy Adhesive, Double Syringe Cartridge, 200 gram
<a href="#">IDM805001</a>	Dispensing Gun
<a href="#">IDM2N10</a>	Static Mixing Nozzle (pkg 10)
IRS2129-1-50KIT	Rubber Modified Epoxy Adhesive Kit – contains 50 gram cartridge of epoxy, a Syringe Gun and three static mixing nozzles

For optimal results, store away from strong oxidising agents, strong acids and strong bases. Store in a cool, well-ventilated area. Keep container tightly closed. Keep in original packaging.

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## Next Steps

# IRS 2129-1 Rubber Modified Epoxy Adhesive



Find out more information on [how to purchase](#).

Our technical team are on hand to discuss your application requirements, [click here](#) to get in touch.

Supplied by:

**intertronics**

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