

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



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- 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

Specification		
Mix ratio by weight	0.6:1	
Mix ratio by volume	2:1	
Viscosity	Thixotropic	
Colour	Black	
Specific gravity	1.01	
Pot life	20 minutes @ 20°C	

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Specification		
Cure schedule	Bondline temperature 10°C 20°C 30°C	Time 32 hours – full cure 16 hours – full cure 8 hours – full cure
Typical properties		
Hardness, Shore A	90	
Temperature range	-50 to +140°C	
Thermal conductivity	0.25 W/mK	
Tensile strength	18 MPa	
Compressive yield strength	<10 MPa	
Coefficient of linear expansion	80-100 ppm/C	
Volume Resistivity	1.3×10^{12} ohmm.cm	
Electric strength	22 kV/mm	

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Specification

Water absorption (7 days @ 23°C)	0.35%	
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Lap shear adhesion

Aluminium to Aluminium	17.8 MPa
Copper to Copper	14.7 MPa
Stainless Steel	17.3 MPa
ABS to ABS	3.1 MPa
Nylon 6 to Nylon 6	4.3 MPa
Acrylic to Acrylic	2.6 MPa

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Safety Data Sheets

For the latest SDS for this product, please e-mail msds@intertronics.co.uk

Other Information

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	<p>Adhesive Problem? What's the Cure?</p> <p>A guide to adhesive bonding, considering structural bonding and the criteria involved for successful assembly.</p>
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Our [Technical Bulletins & Articles](#) page has links to:

- [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 50ml cartridge of epoxy, a Syringe Gun and three static mixing nozzles. It is ideal for product evaluations or small quantity users.

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Part number	Description
IRS2129-1-50G	Rubber Modified Epoxy Adhesive, Double Syringe Cartridge, 50ml
IRS2129-1-200G	Rubber Modified Epoxy Adhesive, Double Syringe Cartridge, 200ml
IDM805001	Dispensing Gun
IDM2N10	Static Mixing Nozzle (pkg 10)
IRS2129-1-50KIT	Rubber Modified Epoxy Adhesive Kit – contains 50ml cartridge of epoxy, a Syringe Gun and three static mixing nozzles

Storage: Store in the original unopened containers under cool dry conditions between 15° and 25°C.

Next Steps

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

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

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