

IRS 2129-1 Rubber Modified Epoxy Adhesive



Description

Also available to buy online at [!\[\]\(666e09182d4cd268646ea700ea60dcdf_img.jpg\) **SHOP** !\[\]\(1ef1ef0bf9af6c6996401964cf280f2d_img.jpg\)](#)

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

IRS 2129-1 Rubber Modified Epoxy Adhesive



- 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

IRS 2129-1 Rubber Modified Epoxy Adhesive



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	
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	

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Specification		
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	
Water absorption (7 days @ 23°C)	0.35%	

Lap shear adhesion	
Aluminium to Aluminium	17.8 MPa
Copper to Copper	14.7 MPa
Stainless Steel	17.3 MPa

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Lap shear adhesion	
ABS to ABS	3.1 MPa
Nylon 6 to Nylon 6	4.3 MPa
Acrylic to Acrylic	2.6 MPa

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

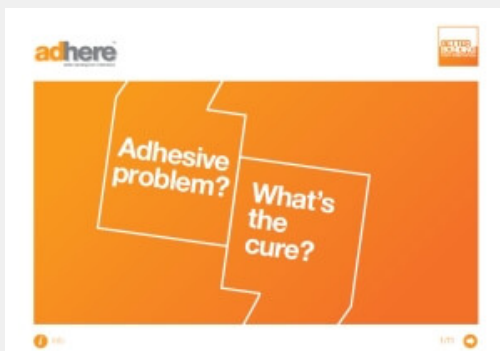
Other Information

IRS 2129-1 Rubber Modified Epoxy Adhesive



[Structural Adhesives Selector Guide](#)

Start your adhesive selection process by reading our Structural Adhesives Selector Guide, detailing different chemistries and material specifications.



[Adhesive Problem? What's the Cure?](#)

A guide to adhesive bonding, considering structural bonding and the criteria involved for successful assembly.

IRS 2129-1 Rubber Modified Epoxy Adhesive




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.

Part number	Description
<div>IRS2129-1-50G</div> <div></div>	Rubber Modified Epoxy Adhesive, Double Syringe Cartridge, 50ml

IRS 2129-1 Rubber Modified Epoxy Adhesive



Part number	Description
<div>IRS2129-1-200G</div> <div><div>SHOP </div></div>	Rubber Modified Epoxy Adhesive, Double Syringe Cartridge, 200ml
IDM805001	Dispensing Gun
IDM2N10	Static Mixing Nozzle (pkg 10)
<div>IRS2129-1-50KIT</div> <div><div>SHOP </div></div>	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.

IRS 2129-1 Rubber Modified Epoxy Adhesive



Let's start by talking about your application



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orders@intertronics.co.uk

- Name*
- Company*
- Phone*
- Email*
- Post code*

If you're in the UK, knowing your postcode would help us get in touch even more quickly. If you're outside the UK, please indicate your country.

IRS 2129-1 Rubber Modified Epoxy Adhesive



- Tell us about your application

Any information that you submit using this form will be processed according to our [privacy policy](#).

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Supplied by:

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