

IRS 2111 All-Purpose Epoxy Adhesive



Description

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

IRS 2111 All-Purpose Epoxy Adhesive is a general-purpose two-part epoxy adhesive with medium viscosity. It bonds well to a large variety of substrates including metals, glass, wood, composites, GRP, ceramics, ferrites, stone, rubber, and many thermoset plastics.

IRS 2111 cures to a resilient adhesive with some flexure, allowing resistance to impacts and dynamic loading. It has good resistance to moisture and chemicals. With a useful working life of about one hour, IRS 2111 is a versatile adhesive suitable for evaluating in many industrial applications.

IRS 2111 is supplied in convenient side-by-side double syringe cartridges.

Features & Benefits

- Excellent general purpose structural adhesive

IRS 2111 All-Purpose Epoxy Adhesive



- Useful working life of about one hour
- Tough and resilient, impact and vibration resistant
- Good chemical/humidity/moisture resistance
- Convenient packaging
- Non-toxic
- RoHS compliant

Specifications

IRS 2111 All-Purpose Epoxy Adhesive



| Specification | |
|-----------------------------|-------------------------------|
| Mix ratio | 1:1 |
| Mixed viscosity | 14,000 cps |
| Gel time (room temperature) | 90 minutes |
| Hardness, Shore D | 65 – 75 |
| Tensile strength | 44 MPa |
| Specific gravity (mixed) | 1.1 |
| Operating temperature | -55°C to +120°C |
| Compressive strength | 64 MN/m ² |
| Surface resistivity | 1.6 x 10 ¹² ohm.cm |
| Dielectric strength | 17 kV/mm |
| Thermal conductivity | 0.3 W/mK |
| Elongation at break | 2% |

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| Specification | |
|-----------------------|-------|
| Glass transition (Tg) | ~50°C |
| Colour | Amber |

| Cure schedule (150ml sample) | | | |
|---------------------------------|--------------|----------------|-----------|
| Bondline temperature | Working life | Light handling | Full cure |
| 10°C | 70 minutes | 48 hours | 96 hours |
| RT (20-25°C) | 60 minutes | 16 hours | 32 hours |
| 30°C | 30 minutes | 8 hours | 16 hours |

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| Lap shear adhesion | |
|--------------------------------|---------|
| Aluminium to Aluminium | 7.6 MPa |
| ABS to ABS (substrate failure) | 5.5 MPa |
| Copper to Copper | 6.1 MPa |
| Nylon 6 to Nylon 6 | 2.5 MPa |
| Stainless Steel | 9.0 MPa |
| Acrylic to Acrylic | 2.3 MPa |

Safety Data Sheets

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

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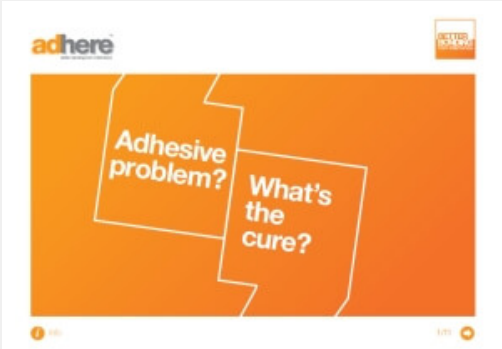
Other Information



[Structural Adhesives Selector Guide](#)

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

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Adhesive Problem? What's the Cure?





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

Ordering Information

| Part number | Description |
|-------------|-------------|
|-------------|-------------|

IRS 2111 All-Purpose Epoxy Adhesive



| | |
|--|---|
| <div>IRS2111-50G</div> <div><div>SHOP </div></div> | <div>Double syringe cartridge, 50 grams</div> |
| <div>IRS2111-50KIT</div> <div><div>SHOP </div></div> | <div>All-purpose epoxy adhesive kit includes:</div> <div><ul style="list-style-type: none">· 1 x IRS2111-50G Double syringe cartridge· 1 x IDM805001 Syringe gun· 3 x IDM2N10 Static mixing nozzles</div> |

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

Let's start by talking about your application

IRS 2111 All-Purpose Epoxy Adhesive



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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.

-
- Tell us about your application

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