

IRS 2127 Fast Cure Epoxy Sealant

Description

IRS 2127 Fast Cure Epoxy Sealant is a non-sagging, thixotropic, soft, fast setting epoxy sealant, which bonds well to a wide range of materials. A two-part system, it is supplied in convenient side-by-side double syringe cartridges, complete with static mixing nozzles.

It can be considered as an alternative to a silicone adhesive sealant where faster cure time and cure depth are required.



Key Properties

- Sets in minutes at room temperature
- Applied as a bead, will not sag even on a vertical surface
- Will bond to metals, glass, wood, rubbers and many plastics
- Excellent for gap or crack filling
- Thixotropic
- Convenient packaging

Typical Properties

Property	
Colour	Milky white (almost clear in thin sections)
Hardness	Shore A75 and Shore D25
Operating temperature	-55 to +100°C

Cure Schedule

Bondline Temperature	Pot Life	Handling strength	Full Cure
RT (20-25°C)	5 – 10 minutes	15 minutes	2 hours

Cure time will depend on cross sectional area, ambient conditions, and mixing method. The above data is given as a guide only. Hotter temperatures may be used for faster cure but will result in higher post cure shrinkage and higher cure exotherm. Experimentation and testing is suggested to avoid side effects.



Contact us for more information about our sealants

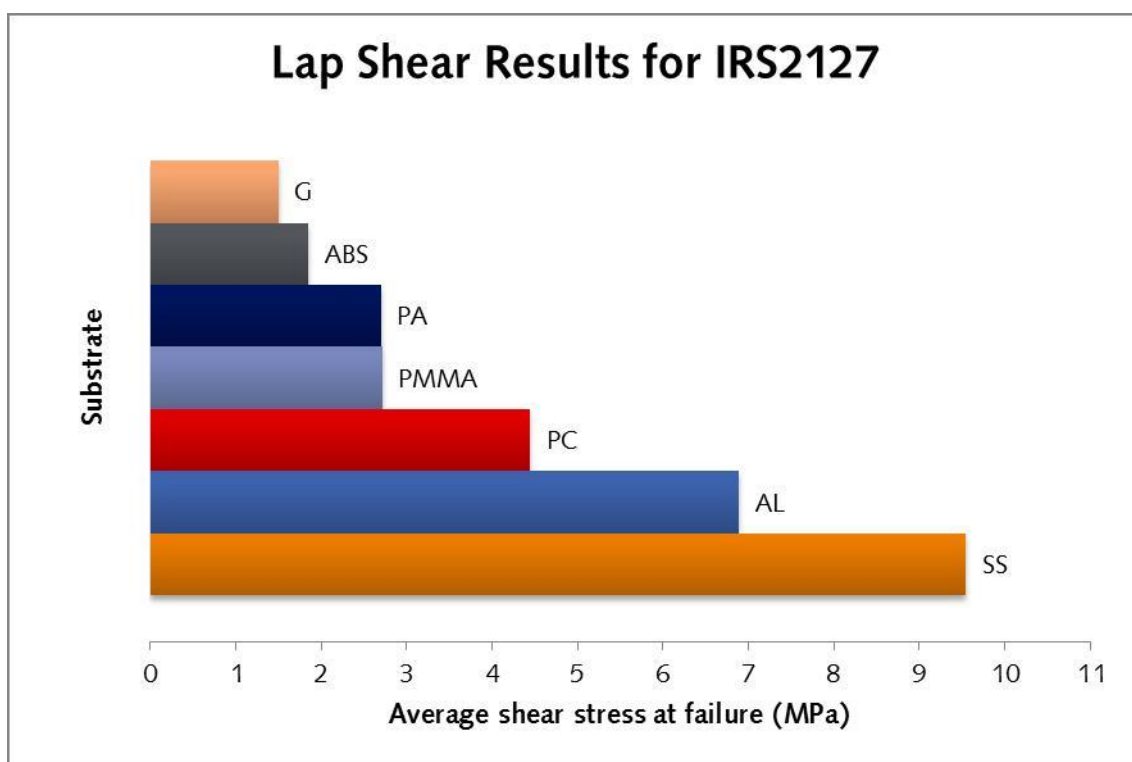
t 01865 842842
e info@intertronics.co.uk
www.intertronics.co.uk

intertronics

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

Lap Shear Adhesion

Substrate	
Stainless steel	9.6 MPa
Aluminium 6082 T	6.9 MPa
Polycarbonate	4.5 MPa
PMMA	2.7 MPa
Nylon 6/6	2.7 MPa
ABS	1.9 MPa
Glass	1.5 MPa



Storage and Shelf Life

12 months at 25 +/- 10 °C

Many epoxy resin systems are prone to crystallization as epoxy resin is a super-cooled fluid. This condition may give the product a gritty or grainy appearance (or hazy in clear products). Products in this state will not usually cure to normal and expected properties. In extreme cases it may appear solid and cured. Fluctuating temperatures (within 5 to 50 °C) aggravate this phenomenon. Heating the individual component to 50 to 60 °C while stirring can usually restore products to original state.

Health and Safety

Epoxy resin systems may cause sensitisation by skin contact or inhalation may be corrosive, harmful or toxic. It is therefore strongly recommended that skin and eye contact is avoided by the using of appropriate personal protective equipment such as gloves, safety glasses or goggles and overalls.

Wash any contamination from the skin immediately and thoroughly and do not eat, smoke or drink in the working vicinity. Under normal working conditions a good source of ventilation is adequate, however if the material is heated, or where vapour levels are likely to exceed the occupational exposure limits

appropriate respiratory protection must be worn.

Local exhaust ventilation (LEV) may be required especially for curing ovens or where large volumes of material are curing.

The above is given as a guide only; please refer to IRS2127 safety data sheet individual/specific advice.

Useful Resources

[Product webpage](#)

Warranty

Statements, technical information and recommendations contained herein are based on tests we believe to be reliable but they are not to be construed in any manner as warranties expressed or implied. The user shall determine the suitability of the product for his intended use and the user assumes all risk and liability whatsoever in connection therewith.