

### Opti-tec 5013

Optically clear, fast-cure epoxy adhesive



#### Our customer

Anthony Scala

#### Customer benefits

- Fast cure allows for project completion in tight timelines
- Good shear strength provides confidence in stability of finished product
- Low shrinkage prevents stress on glass

## Glass artist completes high-quality work in short timelines with Opti-tec 5013 epoxy

Anthony Scala is an award-winning glass artist specialising in sculpture work. His early training in architectural model-making has evolved into a career working with cold glass to make precise, prismatic shapes – blending art and science into stunning geometric pieces.

In addition to creating original sculptures and teaching glasswork techniques at his studio, Anthony takes on repair and restoration commissions. These glass repairs may be on pieces from sentimental value up into the tens of thousands of pounds. It is important that the repairs can be carried out within tight timelines without sacrificing the quality of his work, so Anthony uses **Opti-tec 5013 optically clear, fast-cure epoxy adhesive** for restoration and repair jobs. In addition to Opti-tec 5013's fast-curing nature, its good shear strength provides lasting repairs and is particularly helpful for wall-mounted pieces where the joint will be under constant stress. The adhesive is supplied in 50g side-by-side cartridges, so is easily applied directly from the cartridge using a mixing nozzle.

Importantly, Opti-tec 5013 has very low shrinkage compared to other adhesives Anthony has tried, so it doesn't add stress to the glass.

Anthony said:

*"Opti-tec 5013 is a really good, general purpose clear optical epoxy for bonding glass to almost anything. If I'm teaching a class, I recommend that all students have Opti-tec 5013 in their toolbox."*

Further information on Anthony's work can be found at [anthonyscalaglass.co.uk](http://anthonyscalaglass.co.uk).



### **Opti-tec 5013 optically clear, fast cure epoxy adhesive**

- Optically clear
- Viscosity of 5,000-10,000 cps
- Sets within minutes and cures within hours at room temperature. It reaches handling strength in 30 minutes. Full cure can be achieved in 10 minutes at 65°C.
- High surface energy allows it to wet and wick between surfaces. It develops strong adhesion to most materials used in optics, including metals, ceramics, glass and most plastics.
- Good impact and thermal shock resistance
- Hard material after cure and can be polished
- Good resistance to yellowing
- Supplied in convenient side-by-side double syringe cartridges, complete with static mixing nozzles

**Applications include:** Glass and metal bonding; repair of glass, wood, ceramic, metal; repair or restoration of minerals, gems and quartz crystals; optical assembly, optical filters, lenses, prisms; optical encapsulation & glob topping, small volume casting or potting; opto-electronics, photonics, LEDs



**Contact us for more information on our adhesives**

t 01865 842842  
e [info@intertronics.co.uk](mailto:info@intertronics.co.uk)  
[www.intertronics.co.uk](http://www.intertronics.co.uk)

**intertronics**

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

202007