Resintech Limited
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Technical Data Sheet

RT111

Fast Curing Structural Epoxy Adhesive

Description

RT111 is an easy spreading, fast curing epoxy adhesive, which bonds well to difficult surfaces.

Benefits

- Sets in minutes at room temperature
- Will bond metals, glass, wood, rubbers and many plastics as well as fabrics
- Contains wetting agents to help the adhesive wet and wick between surfaces
- Excellent chemical and environmental resistance
- Supplied in DuoSyringe for easy application
- Standard size is 50g, with associated mixing nozzles and dispenser guns

Typical Properties

Curing

* Work Life at 23°C (10g):	15 – 20 minutes
Time to Handling 23°C (10g):	40 minutes
Cure Time at 23°C (10g):	2 hours
Cure Time at 65°C (10g):	10 minutes
Peak Exotherm at 23°C (10g):	39°C (more details on page 2)

Typical properties *(Cured for 10 minutes at 65°C measurements taken at ambient temperature)*

Lap Shear (300mm^2 Al / Al):	4 kN / 13.34 MPa / 1934 Psi (minimum)
Lap Shear (300mm^2 Al / Al):	>4.5 kN / >14.98 MPa / >2172 Psi (typical)
* Hardness:	>70 D

Colour

Dark yellow to light brown

Storage and Shelf Life

Store under normal conditions of 15°C to 30°C in the original, unopened packaging, out of direct sunlight. Use within one year from the date of manufacture.

Related Products

- RT110 fast curing epoxy adhesive
- RT112 non-sag, fast curing epoxy sealant
- RT125 flexible, high performance epoxy adhesive
- TriPatch wraparound epoxy repair system

Resintech Limited warrants that the typical properties where stated are to be considered as representative of the named product and should not be treated as specifications. * denotes test on batch acceptance basis. While the information presented is believed to be true and reliable different batches, conditions and applications yield differing results. As a result, the customer is solely responsible for evaluating the product and determining its suitability for their intended use. Resintech Limited cannot accept any responsibility for loss or damage that may result from improper application.

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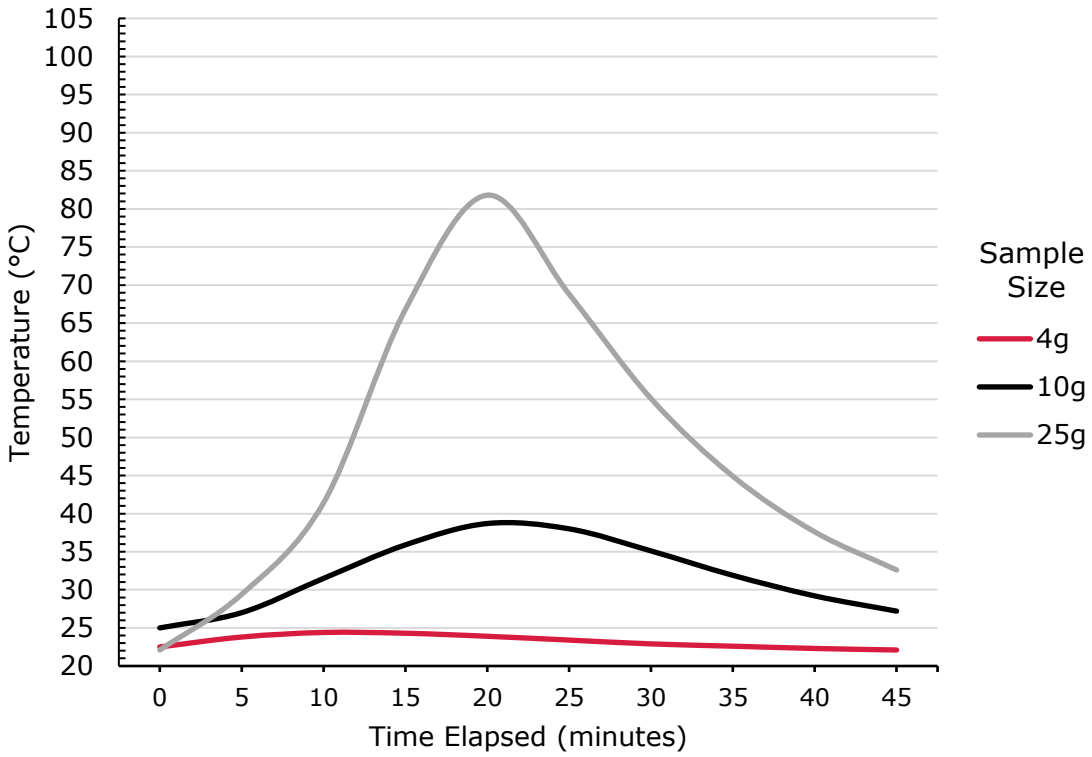
RT111

Fast Setting Structural Epoxy Adhesive

Peak Exotherm



Samples dispensed from a 50ml syringe using a DH001 manual applicator and mixed with a DN012 nozzle. Samples at ambient temperature before mixing.

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