

RESIWOOD® SYSTEM TIMBERSET

PRODUCT CODE: 3553 - 400cc

DESCRIPTION: **TIMBERSET** is a 2-part thixotropic epoxy adhesive. It may be used in film thicknesses between 0.25mm and 12mm. **TIMBERSET** is specifically formulated for timber engineering

SPECIFIC USES: High strength timber adhesive with low surface tension. (20 dynes/cm²). Anchorages in timber (bond stress 6N/mm²). **TIMBERSET** can be used with timber having a moisture content up to but not exceeding 20%. For further information on **TIMBERSET** please contact our Technical Department.

PACKAGING: **TIMBERSET** is supplied in 2 screw cap containers, one contains the base resin the other contains the curing agent. included is a follower plate and empty cartridge assembly.

Mixing knife Ref:3642. 400cc Skeleton Gun Ref:3667. Available from Rotafix.

PREPARATION OF SUBSTRATE: Timber surfaces should be clean, free from dust, loose or friable particles. Where timber preservatives are involved, please consult our Technical Department.

MIXING: Add the total contents of the smaller container (hardener) to the contents of the larger container (base). Mix the two pastes thoroughly ideally using mixing knife reference: 3642. Place the follower-plate onto the surface of the mixed material ensuring it fits parallel in the tub with the outer and central lip pointing upwards. Cut the seal from the front end of the cartridge sleeve. Place the back end of the cartridge vertically and centrally over the hole in the follower-plate. Press the cartridge firmly and continuously down on the follower-plate until the follower-plate bottoms on the mixing tub base. Carefully remove and invert the now full cartridge. Screw on the front injection nozzle and insert the rear plunger.

APPLICATION AND EQUIPMENT:

- a) *Crack injection or the filling of drilled holes.*
Install the full cartridge of timberset into skeleton gun reference:3667. Screw nozzle onto front of cartridge. Fix appropriate size injection tube onto cut end of front nozzle.
- b) *For spreader application as an adhesive dispense directly from the cartridge without the aid of the front nozzle.*

CURE SCHEDULE: Rate of cure and exotherm will be related to ambient temperature, material temperature and volume of material installed.

Workability:	Cure Schedule	Peak Exotherm	
		Not insulated	insulated
100 mins at +10°C	10 hrs at + 10°C	20°C	40°C
30 mins at + 20°C	6 hrs at + 20°C	40°C	90°C
20 mins at + 30°C	3 hrs at + 30°C	80°C	120°C

MATERIAL USAGE/COVERAGE:

1 litre covers 1m² at 1mm thick. See **ROTAFLEX ROD** Data Sheet PD3644 for material requirements when installing anchorages.

CURED PROPERTIES:

Compressive Strength: >50N/mm² Tensile Strength: 18N/mm² (provisional)
Youngs Modulus: 5,000 N/mm²

May be sanded and stained or treated with intumescent coatings.

CLEANING OF TOOLS:

Uncured **TIMBERSET** may be readily removed with Rotafix **s200 PC** Solvent Cleaner. Mechanical methods are required to removed cured material.

The site conditions and equipment required when using individual Rotafix products are specific for each project. Only advice given by Rotafix in writing will be considered as part of our contractual liability.

Epoxy resins and their associated curing agents can cause irritation to some people.

Please take the necessary precautions indicated in the COSHH details available from our offices.

Please read our Users Safety Guide on the Handling of Resin and Polymer products.

The information in this document is based on practical tests, but given without guarantee inasmuch as methods of use by others is beyond our control. Due to continuing development and improvements, it may be necessary to change without notice the material specification. All goods are sold subject to our Standard Conditions of Sale.

RESIWOOD and **TIMBERSET** are Registered Trade Marks of Rotafix (Northern) Ltd



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