

CB10T SLOW SET

LOW MODULUS EPOXY BONDING ADHESIVE



PRODUCT CODE: 3552 - 400cc

DESCRIPTION: Rotafix **CB10T SLOW SET** is a unique 2-part thixotropic epoxy gap filling adhesive (thickness 0.20mm-12mm*). **CB10T SLOW SET** is formulated for bonding GFRP and CFRP fibre rods and plates in particular to timber components

- SPECIFIC USES:**
- 1) As a gap filling adhesive for use with stainless steel, glass fibre anchors and fixings.
 - 2) As a thin film adhesive for greenheart timber to metal construction.
 - 3) In conjunction with **Rotaflex Pultrusions** for the repair and upgrading of glu-laminated components.
 - 4) With masonry stitching components such as **Rotaflex Rod** and **Spirotie**.
 - 5) Crack injection of stone, masonry or timber

PACKAGING: **CB10T SLOW SET** is supplied in two screw cap containers, base resin and curing agent. Included is a follower plate and empty cartridge assembly.

PREPARATION OF SUBSTRATE: All surfaces should be clean, sound and free from contaminants

MIXING: Add the total contents of the smaller container (hardener) to the contents of the larger container (base). Mix the 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 rear end of the cartridge vertically and centrally over the hole in the follower-plate. Press the cartridge firmly and continuously down on to 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 plus any chosen injection tube assembly. Finally, insert the rear plunger.

APPLICATION AND EQUIPMENT: Where applicable, install the full cartridge of **CB10T SLOW SET** into the injection gun, reference:3667.



Alternatively, for spreader application as an adhesive, dispense directly from the cartridge without the aid of the front nozzle or injection tube.

Mixing knife Ref:3642. 400cc injection gun Ref:3667. Available from Rotafix.

CURE SCHEDULE: ** According to CEN Standard N20

Workability:	Cure Schedule	**Peak Exotherm	
		uninsulated	Insulated
12 hrs at +10°C	3 Days at + 10°C	15°C	20°C
6 hrs at + 20°C	2 Days at + 20°C	30°C	35°C
6 hrs at + 30°C	1 Day at + 30°C	40°C	80°C

MATERIAL USAGE / COVERAGE:

Depends on specific application. As a guide, 400cc of mixed material would represent a filled crack size of 10mm x 10mm x 4 linear metres or 0.4m² area @ 1mm thick.

CURED PROPERTIES:

Compressive strength >55N/mm² . +5 days at +20°C.
 CB10T Slow Set has a bond strength to prepared hardwood and softwood Timber exceeding 6N/mm² Bond Strength to grit blasted steel 6-10 N/mm²
 Tensile strength >20 N/mm²
modulus of elasticity 2.4 GPa (ductile failure mode)

CLEANING OF TOOLS:

Uncured **CB10T SLOW SET** may be readily removed from tools and equipment with disposable tissue. Rotafix do not recommend the use on site of solvent cleaners. Mechanical methods are required to remove 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.



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