



UK DISTRIBUTORS OF
REINHARDT-TECHNIK
 Metering & Mixing
 Dispensing Systems



Bonham Drive, Eurolink Industrial Estate
 Sittingbourne, Kent. ME10 3RY
 Tel 01795 427888 Fax 01795 479685
 Email sales@eurobond-adhesives.co.uk
 Web www.eurobond-adhesives.co.uk

Flexifix with Hardener

Description: Flexifix is a fast 2-component methacrylate adhesive curing at room temperature for a wide variety of substrates.

Flexifix develops very high strength values with a low shrinkage and a very high impact resistance over a wide temperature range. The adhesive supports a heating cycle at 180° C for about 30 minutes without degradation and mechanical stress.

Flexifix provides outstanding long-term adhesion under rigorous climate conditions and an excellent chemical resistance (oils, greases).

Applications: Metals (aluminium, copper, brass, steel, stainless steel, galvanized steel, ferrite, etc.), plastics (PVC, ABS, PMMA, PC, PET, PA, PS), composites and glass. Flexifix proves its high adhesiveness especially on other difficult substrates such as powder-coated or painted metals, surface-coated aluminium, etc.

Typical Properties

***Resin Part**

Specific Gravity@ 21°C..... 0.97 g/cm3 (8,1 lbs/gal)
 Colour.....Off-white
 Viscosity, Cp (Brookfield, spindle T-E, speed 10rpm)@21°C..... 200,000 to 300,000

***Hardener Part**

Specific Gravity@ 21°C. 1.35 g/cm3 (10,9 lbs/gal)
 Colour.White
 Viscosity, Cp (Brookfield, spindle T-E, speed 10rpm)@21°C..... 70,000 to 130,000

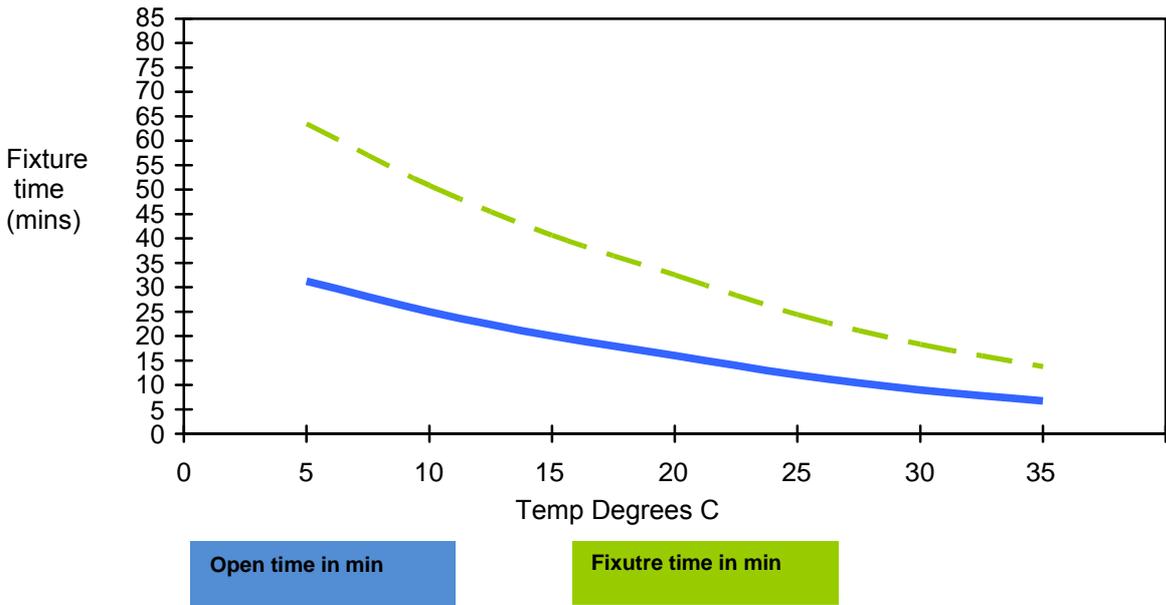
Typical Mixed Properties

Mix ratio by volume (resin part : hardener part) 10 : 1 (excellent tolerance to Off-Ratio Mixing)
 Working time, minutes@ 21°C..... 14 to 19
 Fixture time, minutes@ 21°C..... 25 to 35
 Full cure time.....12 -24 hours
 Gap filling From/to From 0.250 mm to 25 mm

Typical Cured Properties

Peeling strength EN 14173 @21°C (Aluminium) 25 N /mm
 Lap Shear ISO 4587 (Aluminium 2024T3) @ 21°C.. (Aluminium) 24 MPa
 Elongation at break ISO 527 @ 21°C..... 80-110 %
 Operating temperature -40 to + 150°C (180°C during 40 minutes)

fixture time / temperature



- Surface Preparation**..... Flexifix will tolerate a slight degree of surface contamination. Best results are obtained on substrates free of contaminants such as grease, dust, oxides, plasticizers, removal agents. The use of methyl ethyl ketone (MEK), acetone or isopropyl alcohol is recommended.
- Packaging**..... Cartridges 50 ml, Cartridges 490 ml
- Security**..... Before using or handling this product, consult to the Material Safety Data Sheet.
- Shelf Life / Storage** Six months date of shipping / This product must be kept closed in a ventilated area away from light and at a storage temperature between +6 to +20°C in their original containers.
- Note**..... The information given and the recommendations made herein are based on our experience and are believed to be accurate. No guarantee as to, or responsibility for, their accuracy can be given or accepted, however, and no statement herein is to be treated as a representation or warranty. In every case, we urge and recommend that purchasers, before using any product, make their own tests to determine, to their own satisfaction, its suitability for their particular purposes under their own operating conditions.

No liability is accepted for any injury, loss or damage arising directly or indirectly from the use of the Company's products or from the use of information given in our publications, which is intended to serve as a guide only. Customers should satisfy themselves by appropriate trials that the products are suitable for their intended use.

