

BIO FLEX™ COOL

Wood repair compound with bio based raw materials for the quickest repairs at low temperatures

- For the permanent repair of wood decay and wood damage
- For repairs at low temperatures
- Suitable for renovating, restoring and maintaining wooden components
- For use indoors and outdoors
- Excellent adhesion on many types of wood
- Permanently elastic
- To be used in combination with DRY FIX® UNI



BIO FLEX™ COOL

Characteristics:

- For repairs with a layer thickness of 5 - 50mm at 0 - 10°C (and 5 - 25mm at 10 - 20°C)
- Application temperature: 0 - 20°C
- Application period: 20 - 25 minutes
- Ready for sanding and painting after 15 hours at 10°C
- Easy to apply and very easy to mold tight.
- Contains 35% biobased raw materials; 'OK bio based' certified by TÜV Austria (1 star)
- Does not shrink and is non-sagging
- Built-in mixing control system
- Guaranteed adhesion of paint
- Pure epoxy



Wood repair compound with bio based raw materials for the quickest repairs at low temperatures

PRODUCT DESCRIPTION

- Solvent-free and filler-free 2-component product based on a specific composition of epoxy resins.
- BIO FLEX™ COOL is part of the REPAIR CARE system which gives durable solutions to the curative and preventive treatment of timber. See the REPAIR CARE Working Methods.

CHARACTERISTICS

- For repairs with a layer thickness of 5 - 50mm at 0 - 10°C (and 5 - 25mm at 10 - 20°C);
- Application temperature: 0 - 20°C;
- Application period: 20 - 25 minutes;
- Ready for sanding and painting after 15 hours at 10°C;
- Easy to apply and very easy to mold tight;
- Contains 35% biobased raw materials; 'OK bio based' certified by TÜV Austria (1 star);
- Does not shrink and is non-sagging;
- Built-in mixing control system (from blue to moss green);
- Guaranteed adhesion of paint;
- Permanently elastic;
- Excellent adhesion on many types of wood;
- Moisture resistant;
- Free of solvents.

USES

- Repair of damaged or decayed wood on existing timber and in new constructions.
- Sealing and gluing of wood connections.
- Renovating, restoring and maintaining wooden components.
- Designed for application in accordance with various REPAIR CARE Working Methods.
- For inside and outside use.

SURFACE PREPARATION

- Remove any paint coatings from the surfaces to be treated and sand back to bare smooth wood.
- Check the moisture content of the surface (maximum 18%) and the condition of the wood with the EASY+Q™ wood condition meter.
- Ensure that all decayed or excessively soft wood, and weathered, damaged or burnt wood is completely removed until a sound substrate is achieved. A router equipped with a round head cutter (diameter of 9,5 mm) is ideal for this.
- All surfaces must be free of dust, dirt, grease, raised wood fibres and general contamination.

APPLICATION

- On all applications, pre-treat the affected area (repair surface) with DRY FIX® UNI.
- Remove any excess DRY FIX® which has not penetrated into the wood with absorbent paper.
- Apply BIO FLEX™ COOL.
- Immediately remove excess product (the so called proud modelling technique).
- Sand the cured surface before paint is applied.

PRACTICAL RECOMMENDATIONS AND USEFUL HINTS

- Before use, read the instructions and safety information on the tubes.
- Check the use by date shown on the tubes.
- Check the appropriate working method as described in the REPAIR CARE Working Methods.
- Consult the product and safety information before use.
- Dispense the BIO FLEX™ COOL. FLEX™ xx with the EASY+Q™ lightweight or high performance dosing gun.
- For mixing and applying, use the EASY+Q™ mixing plate and EASY+Q™ application knives (easy to clean after the product has hardened).
- Tightly close the opened tubes after use.
- Mix the components A and B until the mixture has a homogenous/ even colour.
- Avoid exposing the mixed product to direct sunlight (it reduces the application period).
- Spread the mixed BIO FLEX™ COOL in a thin layer over the mixing plate; this increases the application period.
- When modelling corners and large repairs, the use of perspex acrylic strips is very effective.
- Do not store or transport in extreme temperature conditions (> 40°C or <5°C).
- BIO FLEX™ COOL can be coloured by adding a very small quantity of concentrated pigment.
- Repaired and exposed areas of timber should be coated within one week.
- For more product and system information contact Repair Care International Ltd.

IMPORTANT

The selection of the type of treatment and the appropriate method of work must be considered before work starts. For the best results, a prior inspection is required. See the REPAIR CARE Working Methods to select the correct treatment. Always contact Repair Care International Ltd or your area Distributor prior to commencing work.

TECHNICAL DATA

Composition:	Component A: modified epoxy resin. Component B: mixture of modified amines.
Density at 20°C:	1.10 kg/dm ³ (mixed product).
Solids content:	100 vol. % (= 100 weight %).
Flash point DIN 53213:	Component A > 65°C. Component B > 65°C.
Mixing ratio:	Component A: 3 parts by volume. Component B: 1 part by volume.
Mixing instruction:	Use EASY+Q™ lightweight or high performance dosing gun. Dispense the required quantity and mix until the mixture has a homogeneous/even colour and the blue colour of Component A has disappeared.
Appearance:	Component A: High viscosity blue translucent mass. Component B: High viscosity light orange-brown translucent mass. Strong pasty translucent mass. 20 - 25 minutes.
Mixed product:	0 - 20°C.
Application period:	Never add a solvent or diluents to thin the material.
Recommended application temperature:	
Concentration:	
Precautions:	Avoid skin contact by using suitable means of protection, such as nitrile gloves, safety goggles, work shoes, aprons and overalls. Can be sanded and painted after approx. 15 hours.
Curing at 10°C:	
Paintable:	After sanding, paint with water based (acrylic), alkyd resin or high solid paint.
Shelf life:	The use by date is stated on tubes/ labels (if stored in a cool dry place).
Pack size:	Component A: 300 ml. Component B: 100 ml. Total A + B: 400 ml.
Production:	Under ISO 9001.
Packing unit:	Cardboard box with 20 sets.
Storage/transportation:	Temperature 5°C to 40°C.

