

BIO FLEX™ ALLROUND

The first bio-based epoxy repair resin for all types of repair throughout the year

- For the permanent repair of wood decay and wood damage.
- Suitable for repairing during all seasons.
- 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™ ALLROUND

Characteristics:

- Contains 40% bio-based raw materials
- Certified 'OK biobased' - 1 star
- Ready for sanding and painting after 12 hours (at 20°C)
- For repairs with a layer thickness of 5 - 50 mm
- Application temperature: 0 - 35°C
- Application period: 15 - 20 minutes at 20°C
- Non-sagging and does not shrink
- Easy to apply and very easy to mold tight
- Built-in mixing control system
- Guaranteed adhesion of paint



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PRODUCT DESCRIPTION

- Solvent-free and filler-free 2-component product based on a specific composition of epoxy resins.
- BIO FLEX™ ALL ROUND 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

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- Non-sagging and does not shrink;
- Easy to apply and very easy to mold tight;
- Built-in mixing control system;
- Guaranteed adhesion of paint;
- Pure epoxy;
- Permanently elastic;
- Excellent adhesion on many types of wood;
- Moisture resistant;
- After mixing, mixture can be coloured with colouring pigment.

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™ ALL ROUND.
- Immediately remove excess product.
- 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™ ALL ROUND 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.
- 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™ ALL ROUND 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™ ALL ROUND 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:	1.08 kg/dm ³ (mixed product).
Solids content:	100 vol. % (= 100 weight %).
Flash point DIN 53213:	Component A > 65°C. Component B > 62°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 green colour of Component A has disappeared. Component A: High viscosity green translucent mass. Component B: High viscosity light orange-brown translucent mass. Mixed product: Strong pasty translucent mass.
Appearance:	Component A: High viscosity green translucent mass. Component B: High viscosity light orange-brown translucent mass. Mixed product: Strong pasty translucent mass.
Application period at 20°C:	15 - 20 minutes.
Recommended application temperature:	0 - 35°C.
Concentration:	Never add a solvent or diluents to thin the material.
Precautions:	Avoid skin contact by using suitable means of protection, such as nitrile gloves, safety goggles, work shoes, aprons and overalls.
Curing at 20°C:	Can be sanded and painted after approx. 12 hours.
Paintable:	After sanding, paint with water based (acrylic), alkyd resin or high solid paint. The use by date is stated on tubes/ labels (if stored in a cool dry place).
Shelf life:	Component A: 300 ml. Component B: 100 ml. Total A + B: 400 ml.
Pack size:	Under ISO 9001.
Production:	Cardboard box with 20 sets.
Packing unit:	Temperature 5°C to 40°C.
Storage / transportation:	

