

## BIO FLEX™ ALLROUND

The first biobased 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.
- Does not shrink.
- Easy to apply and very easy to mold tight.
- Built-in mixing control system.
- Guaranteed adhesion of paint.
- Tested under extreme temperature conditions by independent institutes.



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

### 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

- Contains 40% bio-based raw materials;
- Certified 'OK bio-based' - 1 star;
- Ready for sanding and painting after 12 hours (at 20°C);
- Non-sagging.
- Easy to apply and very easy to mold tight.
- For repairs with a layer thickness of 5 - 50 mm;
- Application temperature: 0 - 35°C;
- Application period: 15 - 20 minutes;
- Does not shrink.
- Built-in mixing control system.
- Guaranteed adhesion of paint.
- Tested under extreme temperature conditions by independent institutes.
- Pure epoxy.
- Permanently elastic.
- Excellent adhesion on many types of wood.
- Moisture resistant.
- After mixing, mixture can be coloured with colouring pigment.
- For use outdoors and indoors (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.
- 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.

### 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 (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 DRY FLEX® ALLROUND 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 DRY FLEX® ALLROUND 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).
- DRY FLEX® ALLROUND 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 <sup>3</sup> (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.
Appearance:	Component A: High viscosity green translucent mass. Component B: High light orange-brown translucent mass. Highly viscous translucent mass.
Mixed product:	Highly viscous translucent mass.
Application period at 20°C:	35 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.
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.

