

**USAGE**

EPISOL WOOD is a casting mortar for the structural repair or replacement of damaged parts in wood structures. Wood that has been severely damaged by mould or wood-boring insects regains its original load-bearing function.

EPISOL WOOD without filler is used for the placement of anchors.

Used for wooden supporting structures, wharf and jetty poles.

**CHEMICAL RESISTANCE**

EPISOL WOOD has an excellent chemical resistance to alkalis, petroleum derivatives, acid, diluted organic acids, salts and solutions. For more information please contact RESIPLAST NV.

**PROPERTIES**

- Moisture-insensitive hardening
- Primer not necessary
- Good tenacity
- High resistance to heavy dynamic loads
- Impermeable
- Mould-free
- Is not affected by beetles

**PROCESSING****• Preparing the application surface**

Make sure the surface is clean and dry. The recommended processing temperature for the surface, the surroundings and the material is 15 to 25°C. Do not use below 10°C.

Strongly affected and weathered wood is removed after the construction has been properly supported. Parts of the removed wood can be re-used as a formwork.

With a deep-hole drill, holes are drilled at an angle in the longitudinal direction (see drawing). The diameter of the drill hole is 2 to 5mm bigger than the anchor rods. The number of holes, the position and type of reinforcement must be calculated by a structural engineer.

**• Mixing**

Stir the base (component A) evenly before use. Add the full amount of hardener (component B) and mix mechanically (300 rev/min) until both components are homogeneous. Slowly add the filler component to the mix. Mix until homogeneous.

**• Application****Anchoring the rebars**

Pour the mixed resin (Component A+B, without filler) into the drill holes until these are half full. Place the rebars and fill up the drill hole, if necessary.

**Repair mortar**

Attach a good fitting formwork. For aesthetic restorations, the recovered wood can be used as a permanent formwork.

Use new phenol formaldehyde plate (concrete plywood) for all other formwork applications.

Rub seams and trimmed edges with a stripping medium.

Pour out EPISOL WOOD mortar immediately and spread with a trowel. Avoid air entrapment. Check the filling height after 5 minutes, add more if necessary. The minimum layer thickness for a repair is 10cm.

**Support**

7 days after the repair, the formwork and supports can be removed.

**Finishing**

EPISOL WOOD can be painted. The cured mortar must be sanded to the filler before you apply paint or a coating.

**• Use**

7 days

## PACKAGING

EPISOL WOOD	Comp A	Comp B	Comp C
Set 15kg	1.75kg	0.72kg	12.5kg

## TECHNICAL SPECIFICATIONS

Specific mass	2.0kg/dm <sup>3</sup>
Colour	Sand colour
Surface	Non-slip surface
Pressure resistance	>41N/mm <sup>2</sup>
Flexural strength	>28N/mm <sup>2</sup>
Tensile strength	>6N/mm <sup>2</sup>
Adhesion to concrete	2.6N/mm <sup>2</sup>
E-modulus	1.3 GPa (system with reinforcement)
Fire class	Class B2
Heat resistance	60°C
Layer thickness	From 50mm
Optimal layer thickness	10 – 1000mm
Min. Application temperature	+10°C
Minimum curing temperature	+10°C
Processing time	approx. 25 minutes at 20°C
Hardening time at 20°C	Curing 24 h Can be mechanically loaded 7 days
Curing	Non-shrinking
Shelf life	24 months

## CE CERTIFICATE


Resiplast NV, Gulkenrodestraat 3, B-2160 Wommelgem
12
EN 13813 Resin screed/coating for use indoors in buildings.

Reaction to fire	E <sub>n</sub>
Release of corrosive substances	SR
Water permeability	NPD
Abrasion resistance (Taber)	<40 mg (CS10-1000tr-1kg)
Adhesion strength	B 1.5
Impact resistance (DIN EN ISO 6272)	>10Nm
Soundproofing	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD

## USAGE

Usage 2kg per litre repair mortar

## APPEARANCE

A-component	Modified epoxy resin lightly thixotropic
B-component	Polyamine hardener
C-component	Dry filler
Colour	Sand colour

## YOU WILL NEED TO SUPPLY

- Deep-hole drill
- Formwork materials
- Rebars, serrated GRP or reinforcing steel
- Mixing bucket
- Cleaning solvent for tools: MEK SOLVENT

## STORAGE

Store EPISOL WOOD in a dry, well ventilated storage area between 5 and 35°C. 24 months shelf life, C component unlimited shelf life.

If in doubt, contact RESIPLAST NV and provide the batch number on the package. Do not let the product get in contact with ground water, surface water or sewage systems. Dispose of contaminated packaging and remnants according to legal regulations.

## SAFETY

Carefully read the safety instructions before using EPISOL WOOD. Products have a characteristic odour when being applied. Ensure there is sufficient ventilation, stay away from ignition sources and do not smoke. Avoid contact with skin. Eye irritation and/or sensitivity may occur during heavy vapour concentrations, inhalation and/or skin contact. Do not keep food products (food, beverages) in the same workspace. Always wear personal protective equipment according to local guidelines and regulations. Gloves and safety goggles are mandatory.

The above information is provided in good faith, but without any guarantees. The application, use and processing of the products are beyond our control and are, as such, the sole responsibility of the user/processor. In the event that Resiplast N.V. is still held liable for damages, then the claim will still be limited to the value of the goods delivered. We always aim to deliver consistently high quality goods. This version replaces all previous versions. Version 1.3 Date: 29 September 2016 12:31 PM