

USAGE

EPICOL U NEW is applied as a structural adhesive for the affixing of glued reinforcements and placement of anchor applications on steel, glass fibre or carbon fibre.

EPICOL U NEW is a filler adhesive for concrete, brick, stone, wood and inorganic building materials, dry and wet.

Suitable for bonding flexible joint strips.

CHEMICAL RESISTANCE

EPICOL U NEW has excellent chemical resistance to alkalis, petroleum derivatives, inorganic acids and diluted organic acids. For more information please contact RESIPLAST NV.

PROPERTIES

- High initial adhesive power
- Good filling capacity
- Exceptional adhesion to steel
- Shrink-free hardening
- Solvent-free
- Mixing control through colour
- Hard
- Can be worked after curing
- Limited layer thickness
- Impermeable
- High mechanical strength
- Adheres to dry and wet surfaces
- Horizontal and vertical applications
- A/B mixing ratio is 2/1

PROCESSING

Required equipment

- Electric mixer with mixing spindle
- Spatula or trowel

• 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. Remove rust and dust from steel, degrease and descale. Carbon fibre rods must first be etched with MEK SOLVENT.

• Mixing

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

• Application

Use mixed EPICOL U NEW as quickly as possible.

Apply EPICOL U NEW with an adhesive spreader, spatula or trowel.

The minimum layer thickness is 2mm. Heavy parts must be supported for at least 24 hours.

• Use

EPICOL U NEW is fully mechanically loadable after 48 hours and chemically loadable after 7 days.

PACKAGING

| EPICOL U NEW | Comp A | Comp B |
|--------------|--------|--------|
| Set 6 kg | 4 kg | 2 kg |

TECHNICAL SPECIFICATIONS

| | |
|----------------------------------|--|
| Specific mass | 1,5 kg/dm ³ |
| Colour | Component A White Component B Gray green Mix A+B Gray-Concrete |
| Pressure resistance | >10 N/mm ² |
| Flexural strength | >10 N/mm ² |
| Adhesion to dry and wet concrete | Superior to the cohesion of the material |
| Adhesion to steel | >10 N/mm ² |
| Heat resistance | 60°C |
| Layer thickness | From 2 mm |
| Min. application temperature | +10°C |
| Min. hardening temperature | +5°C |
| Processing time | approx. 90 minutes at 20°C |
| Shelf life | 24 months |

USAGE

Is estimated by the engineer or user. Depends on the bonding application.

APPEARANCE

| | |
|-------------|---|
| A-component | White thixotropic paste of epoxy resin and filler |
| B-component | Polyamine hardener paste |
| Colour | Gray-Concrete mixing colour |

YOU WILL NEED TO SUPPLY

- Cleaning solvent for tools: MEK SOLVENT

STORAGE

Store EPICOL U NEW in a dry, well ventilated storage area between 5 and 35°C. 24 months 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 EPICOL U NEW. 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 1.5 Date: 7 December 2020 12:40 pm