

Product Data Sheet

NewPro-Brandopox EPL022

- Protective Coating for Damage to Concrete and in the area of the Protection of Drinking Water

Product Description

NewPro-Brandopox EPL022 is an epoxy resin with very short curing or hardening times and binding to glass or carbon fibers for the repair of damage to concrete and can be applied to drinking water protective areas.

Range of Application and Use

NewPro-Brandopox EPL022 was specially designed for the application to the following surfaces:

- Concrete
- Glass
- Glazed Surfaces
- Metals
- Stone.

Product Characteristics/Properties

NewPro-Brandopox EPL022 is especially distinguished by a good adhesion to glass, stoneware and glazed surfaces, metals and concrete.

Further Properties Include:

- Easy application and use
- Good adhesion to concrete, stoneware and glazed surfaces - Adhesive Tensile Strength > 2N/mm²
- Good adhesion to glass fibers
- Good resistance against sodium hydroxide and sulfuric acid
- Limited shrinkage after hardening < 0.1%
- Solvent free solution
- Very short hardening times.

NewPro-Brandopox EPL022 only contains materials which comply with the corresponding UBA-Epoxy Resin Guidelines, which means that it is appropriate for use in the areas of protective drinking water.

Technical Data

Mixing Viscosity:

- At +20°C - 16 Pas (16.000 mPas).

Technical Data

Density:

- 1.2 kg/L.

Instruction for Application and Use

Surface preparation:

All surfaces must be sustainable, clean and free from loose particles or particles which can compromise adhesion, as the corresponding area of application or surface requires.

Mixing Instructions:

NewPro-Brandopox EPL022 Part A (resin) is died blue and Part B (hardener) is died yellow. The usual mixing ratio is component A (resin)/component B (hardener) = 3.35 g/g. Thoroughly mix together both products in the given mixture ration with an agitator (mixer) (max. 400 U/min). The optimal mixture results in a saturated green color.

Use/Application:

Apply NewPro-Brandopox EPL022 evenly and thoroughly using a brush or appropriate paint roller. The time required for application lies between approximately 12 to 15 minutes at +20°C.

Caution:

In the event of eye contact, immediately flush eyes and wash out with clean water. In the event of skin contact, immediately and thoroughly wash off with clean water.

For further safety information, please refer to the product data safety sheets for the product.

Machine Application:

Prior to machine application of the product we ask you to contact our technical department.

Notice:

The product covers a wide range of application and use. Therefore, we recommend a test to the surface to determine suitability for the intended purpose prior to use.

Use:

- An exact amount of required material for the intened purpose is to be determined with a test application to the surface of the object.

Required Conditions for Use/Application

The application can be effectuated with a surface and area temperature of a min. +5°C. At higher temperatures, there is a shortening of the hardening times, which can be seen in the following table.

Hardening Times:

- At +12°C 3 Hours
- At +20°C 2 Hours
- At +40°C 45 Minutes
- At +60°C 20 Minutes
- At +80°C 10 Minutes.

Required Conditions for Use/Application

Cleaning of tools:

- Immediately after use, clean tools with acetone or a comparable cleaning solvent.

Delivery Form

Units Per Package:

- 20 x Part A (resin) in 0.78 kg pouch and 20 x part B (hardener) in 0.24 kg pouch in a plate covered container and packed with UN-Nr.

Further sorts of packaging and colors are available upon request.

Color:

- Component A (resin) blue
- Component B (hardener) yellow.

Further Instructions

Transport:

- Component A (resin) and component B (hardener) are classified as hazardous materials (resin class 9 and hardener class 8).

Storage:

- Lasts approximately 1 year when stored at a cool temperature, frost-free and in the original tightly sealed packaging.

Work Hygiene

When using chemicals, the safety precaution measure according to the EU safety data sheets are to be observed. The appropriate protective clothing, protective gloves as well as protective goggles and facial protection are to be worn at all times when handling the product.

For further instructions, please refer to the product safety data sheets for this product.

Special Instructions

Keep away from children. Keep containers sealed tightly closed. In the event of eye contact, immediately flush eyes out with water and seek medical advice. In the event of skin contact, wash skin thoroughly with water and soap. If necessary, seek medical advice. Do not smoke during application and use. If swallowed seek immediate medical advice and show the packaging or product label to the treating physician. Before breaks and after use, wash hands thoroughly. Do not eat, drink or smoke while using. Avoid contact to eyes and skin.

For further safety precautions, please refer to the safety product sheets of the product.

Safety and Protective Measures

The general safety precautions for water solvent materials are to be considered.

The technical advice regarding the use and application of our products is the result of extensive research and development as well as many years of experience, according to the best of our knowledge. The different kinds of requirements of an object, under varying conditions, make it necessary for the user to check the suitability for the intended purpose. We reserve the right to effectuate changes, which serve to affect the technical advance or improvement of our product.

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Safety and Protective Measures

For further instructions, please refer to the product safety data sheets for this product.

This product is designed for commercial use only!

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