

Product Data Sheet

NewPro - Water KSW508

- Repair and Protective Coating for Drinking Water Conduits and Containers

Product Description

NewPro-Brandopox Water KSW508 is a 2-component epoxy resin repair and protective coating for drinking water conduits and containers.

Range of Application and Use/Appropriate Surfaces

NewPro-Brandopox Water KSW508 was specially designed for application to metal surfaces such as:

- Cast Iron
- Copper
- Steel.

Product Characteristics/Properties

NewPro-Brandopox KSW508 is especially distinguished by its good adhesion to metal surfaces such as cast iron, copper and steel. NewPro-Brandopox KSW508 minimally liquidizes during application so that the adhesive materials remain in the adhesive grooves and joints.

Further characteristics include:

- Easy application and use
- Limited shrinkage after hardening < 0.1%
- Odorless
- short hardening times
- Solvent free solution.

NewPro-Brandopox Water KSW508 only contains materials which comply with the corresponding UBA-Epoxy Resin Guidelines and DVGW-Worksheet W270 (Microbiology).

Technical Data

180°-Peel Strength:

- 2 N/mm.

Surface Hardness:

- 73 Shore D.

Instructions Regarding Use/Application

Surface preparation:

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

Abrade the surface with sandpaper to improve adhesion. The sand steel grade is SA 2.5.

Mixing Instructions:

NewPro-Brandopox KSW508 component A (basis/resin) and component B (hardener) are coordinated as delivered. Completely pour component B (hardener) into the hobcock of component A (basis/resin) and thoroughly mix with a mechanical coil mixer (max. 400 U/min) for 3 minutes until a streak free mass results.

The optimal mixture results in a saturated olive-green color.

Use/Application:

Apply NewPro-Brandopox KSW508 evenly and thoroughly by hand using an appropriate brush or spatula.

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 NewPro-Brandopox KSW508 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 intended 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 +20°C 9.0 Hours
- At +40°C 2.5 Hours
- At +60°C 60 Minutes
- At +80°C 30 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:

- Component A 16.0 kg (basis/resin) comes in a 30 L hobbock and component B 4.9 kg in a 5 L tin bucket.

Color:

- Olive-green.

Further Instructions

Transport:

- Basis/resin is classified as Class 9 and the hardener is classified as Class 8
- Component A (basis/resin) and component B (hardener) are classified as hazardous materials
- WGK 2.

Storage:

- Can be stored cool, frost-free in the original closed packaging for approximately 1 year.

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.

Safety Precautions

Keep away from children. Keep containers sealed tightly closed. In the event of eye contact, immediately flush eyes out with water. In the event of skin contact, wash skin thoroughly with water and soap. 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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