



ADIPOX PLUS

Epoxy resin for bonding bridge

- Epoxy adhesive used for bonding old concrete to new concrete
- Excellent adhesion
- Complete impermeability
- Very good mechanical strength
- Excellent chemical resistance



Description

An epoxy adhesive composed of base and activator components with excellent bonding strength. Provides excellent chemical resistance and impermeability after curing. Can be applied on moist surfaces. After mixing, it can be used for a certain period, which decreases with temperature. Provides an easy and comfortable application.

Use

An adhesive used to bond old and new concrete together. The new concrete should be applied while ADIPOX PLUS is still wet. It can be used for bonding general structural elements such as metal, ceramic, brick, etc. It can also be used as a protective coating in tanks and troughs. To prepare epoxy mortar in the ratio range of 1:1 to 1:3 (resin:silica sand).

Application

The individual components of ARDEX ADIPOX PLUS should be shaken before mixing.

Thoroughly mix the two components with a mixer at low speed for a minimum of 3 minutes. Part of the mixture can be reintroduced into the hardener container to gather up residues remaining in the container. The mixture which has been reintroduced into the hardener container can be returned to the mixing container and stirred for a further 30 seconds. This mixing process ensures the product's consistency and that any residual resin remaining in the containers reacts, facilitating subsequent management of residues.

After the two components are mixed, 1kg of ADIPOX PLUS will remain workable for 60 minutes at temperatures between 18°C and 20°C.

If the entire package is not used and smaller mixtures are made, the base and hardener components should be mixed according to their volume ratios; Base:Hardener = 3.3:1

After obtaining a homogeneous mixture, be applied with a roller or hard brush on a clean and solid substrate.

The fresh mortar to be applied should be waited for at least 30 minutes to gain a slight tackiness before applying it on ADIPOX PLUS. After the mortar is spread, it should be applied for a maximum of 3 hours (at 20°C) and without losing its tackiness.

Limitations

Do not use SEIREPOX IMPRIMACIÓN where ambient and/or substrate temperatures are less than 10°C or less than 3°C above the dew point.

Do not use where ambient and/or substrate temperatures exceed 30°C or where ambient humidity exceeds 85%.

If Pot-Life is exceeded the mixed product loses its characteristics and should be disposed of.

Tool Cleaning

SEIREPOX IMPRIMACIÓN can be cleaned from tools and equipment immediately after use using a solvent such as ARDEX RTC. If the product is allowed to harden, it will have to be removed mechanically.

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Residues/spillages

Any spillage from any of the products must be removed immediately with sand, vermiculite or other inert material and collected in a suitable container for proper handling and treatment.

Residues from spillage and empty containers must be dealt with in accordance with local regulations. See product safety sheet for further information.

Precautions

Causes irritation to eyes and skin, depending on sensitivity. Hazardous to health if ingested. May cause burns in case of prolonged exposure. Avoid contact with eyes and skin. In case of contact with eyes, rinse immediately with plenty of clean water and consult a doctor.

Safety goggles and gloves must be worn at all times while the product is being mixed and when applying the product.

If applying indoors, ensure that the site is well ventilated. For further information see the product safety sheet. After drying, the product is physiologically and ecologically neutral.

Technical Data According to ARDEX Quality Standards

Color	Component A: Gray Component B: Amber
Mixing ratio	3,3:1 by volume
Density	approx. 1,6 kg/liter
Material requirement	Between 0,5 - 1,0 kg/m ² (depending on surface porosity)
Pot life (+20°C)	approx. 60 minutes
Open time:	approx 4 hours at +20°C approx 6 hours at +10°C approx 3 hours at +30°C
Touch dry (+20°C)	approx 6 hours
Compressive strength	approx 80 N/mm ²
Tensile bending strength	approx 50 N/mm ²
Packaging	Pre-dosed sets of 1 and 5 kg
Storage and shelf life	Can be stored for approx. 12 months in its original unopened packaging in a dry area.



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TS EN 1504-4:2006

ADIPOX PLUS
Structural Adhesive
EN 1504-4

Adhesion/Adhesive Strength (rupture strength)	: Passed
Shear Strength	: $\geq 11 \text{ N/mm}^2$
Compressive Strength	: $\geq 60 \text{ N/mm}^2$
Shrinkage/Expansion	: $\leq 0,1\%$
Workability	: Approx. 60 minutes
Water Sensitivity	: Passed
Elastic Modulus	: $\geq 2000 \text{ N/mm}^2$
Coefficient of Thermal Expansion	: $\leq 100 \text{ mm/m } ^\circ\text{C}$
Glass Transition Temperature	: $\geq 40^\circ\text{C}$
Fire Classification	: Class F
Durability	: Passed
Hazardous Substances	: Compliant with EN 1504-4, clause 5.3



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ADIPOX PLUS
Epoxy barrier for protection of reinforcement
EN 1504-7

Corrosion protection and workability	: Passed
Durability	: Passed
Glass Transition Temperature	: $\geq 40^\circ\text{C}$
Hazardous Substances	: Compliant with EN 1504-7, clause 5.3