

RESIPOX® PRIMER

PRIMER FOR RESIPOX® EPOXY MORTAR



DESCRIPTION

RESIPOX® PRIMER is a universal primer for epoxy mortars such as eg. RESIPOX®, EPISOL® EM / GM / RM etc...

ADVANTAGES

- Primer adheres to mineral substrates, wood, stone and concrete
- Excellent adhesion
- Solvent free
- Good adhesion
- Easy to apply

FIELD OF APPLICATION

RESIPOX® PRIMER is used as a primer for epoxy mortars such as RESIPOX®.

- Underground and above ground parking decks
- Garages
- Workshops
- Warehouses
- Storage areas for hazardous goods
- Floors to be coated on an industrial basis
- etc...

APPLICATION

Note: The following is a typical application description. In case of other jobsite parameters, please contact our technical department.

PRELIMINARY ANALYSES

Before starting the substrate preparation and applying the products, it is important to test various parameters in order to achieve a good and sustainable result.

Compressive strength of the substrate: min. 25 N/mm² Tensile strength of the substrate: min. 1,5 N/mm²

RESIPOX® PRIMER can be applied as a primer in one layer on a dry surface. Moisture content in the substrate: ≤ 5% moisture.

Conditions during the application and curing: see "implementation conditions" further described in this technical data sheet.

Technically studied dilatation joints must be provided. These are resumed in the synthetic resin system to be installed.

Shrink joints and passive cracks can be coated. This on condition that they are not used as dilatation joints or if they do not follow other movements of the structure and the substrate and that they are flattened with products that are complementary to the substrate and to the synthetic resin system to be installed.

REQUIRED TOOLS

- Mixer with spindle (min. 300 rpm)
- Rubber squeegee
- Brush or roll
- Masking tape

PREPARATION OF THE SUBSTRATE

Cracks, joints and other parts that show water leaks must first be made completely water-tight and leak-proof.

The surface must be mechanically pre-treated. This can be achieved by removing the dust by bullet- or sandblasting or by sanding the surface. These treatments ensure that an open texture surface is obtained, to remove the cement skin from concrete and old remnants of coatings and adhesives.

High pressure water jetting is possible but then the surface must dry sufficiently. Moisture content in the substrate: ≤ 5%

Before applying the primer:

Always apply the products on a clean surface, free from adhesion reducing materials such as dirt, oil, grease, old coatings or surface treatments, ...

The parts of the surfaces to be coated that do not meet the requirements as described above (compressive strength, tensile strength, parts that are not well connected, ...) must be treated or removed and repaired according to a correct method and with products that are complementary to the substrate and the synthetic resin system to be installed.

If you choose to work with a seamless plinth, use RESIPOX® PRIMER with RESIPOX® epoxy repair and plinth mortar.

Remove any loose parts by brushing properly and remove dust with an industrial vacuum cleaner.

PREPARATION OF THE PRODUCT

Mixing

Put together the resin Component A and the hardener Component B completely and mix with an electric mixer with spindle at a moderate speed (300 rpm) until the 2 components form a homogeneous mass.

PREPARATION OF THE EQUIPMENT

Always work with clean mixing containers and application material.

APPLICATION

Spread RESIPOX® PRIMER with a brush or roller on the surface to be treated. Apply the mixture within 30 minutes.

FINISHING

Apply RESIPOX® epoxy mortar in the still sticky mass (wet in wet). RESIPOX® PRIMER stays sticky for about an hour. If the primer no longer sticks, an additional layer of RESIPOX® PRIMER must be applied before applying the epoxy mortar RESIPOX® (or other epoxy mortars such as EPISOL® RM, EPISOL® EM, etc.).

APPLICATION CONDITIONS

Conditions during the application and curing of the products. The recommended processing temperature for substrate, environment, material and products is between +10°C and +25°C. Relative humidity: Max. 85%

Dew point: The temperature of the substrate and of the not fully cured product must be at least 3°C higher than the dew point. Avoid condensation on the surface from the moment that the preparations start until the complete curing of the products.

Ensure adequate ventilation and a low relative humidity during curing.

CLEANING AND MAINTENANCE

Clean the used tools with SOLVENT MEK before the curing of RESIPOX® PRIMER. Cured products residues must be removed mechanically.

For the cleaning and maintenance of the installed synthetic resin system, please refer to the information leaflets: Cleaning and maintenance of synthetic resin floor systems - INDUSTRY Cleaning and maintenance of synthetic resin floor systems - PUBLIC AND PRIVATE BUILDINGS.

COMPLIMENTARY PRODUCTS

- Cleaner for the products: SOLVENT MEK

ADVICE / FOCAL POINTS

RESIPOX® PRIMER must not be diluted.
When treating a new concrete surface with RESIPOX® PRIMER, it should be at least 28 days old.

TECHNICAL DATA

APPEARANCE - COMPOSITION

A-component	Light thixotropic epoxy resin
B-component	Polyamine hardener
Colour	Amber transparent

REACTION TIMES

Processing time after mixing: 30 min
Dry: after 8 hours
Trafficable: after 24 hours
Fully cured: after 8 days at 20°C
Mechanically resistant after 7 days.
Full chemical resistance: after 7 days
Times measured at 20°C; lower temperatures extend the curing time.

CONSUMPTION

+/- 350 g/m²


TECHNICAL DATA

Density	A = 1,1 – B = 1,3 kg/dm ³
Aspect	Glossy
Classification	Family 1 - class 6b
Mixing ratio	2 : 1
Viscosity	A = 1060 mPa.s B = 150 mPa.s A+B = 485 mPa.s
Thermal resistance	+60°C
Dry matter	100%

CHEMICAL RESISTANCES

Good chemical resistance to alkalis, petroleum derivatives, acid, diluted organic acids, salts and solutions. For more information please contact RESIPLAST NV.

CE TABLE

	
Resiplast NV, Gulkenrodestraat 3, B-2160 Wommelgem	
12	
EN 13813	
Floor finish / synthetic resin coating for indoor use	

Reaction to fire	E _{fl}
Release of corrosive components	SR
Water permeability	NPD
Abrasion resistance (Taber)	<10 mg (CS10-1000 tr - 1 kg)
Bond strength	B 1,5
Impact resistance (DIN EN ISO 6272)	>10 Nm
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD

REFERENCE DOCUMENTS



PACKAGING

RESIPOX® PRIMER	Comp A	Comp B
Set 0,8 kg	0,533 kg	0,267 kg

STORAGE AND SHELF LIFE

Store RESIPOX® PRIMER in a dry, well-ventilated storage area between +5 and +35°C.

Shelf life: 24 months after production date.

In case of doubt, please contact RESIPLAST NV and state the batch number on the packaging. Do not discharge into groundwater, surface water of sewers. Dispose of contaminated packaging and residues in accordance with the applicable legal requirements.

SAFETY PRECAUTIONS

Carefully read the safety data sheets before using RESIPOX® PRIMER. Ensure adequate ventilation, keep away from sources of ignition and do not smoke. Avoid skin contact. Eye irritation and/or hypersensitivity may occur with severe vapour concentration, inhalation and/or skin contact.

Do not store food (food, drinks) in the same workspace. Always wear personal safety equipment in accordance with the applicable local guidelines and legislation. Gloves and safety glasses 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. All values on this technical sheet are average values that result from tests carried out under laboratory conditions (20°C and 50% RH). Values that are measured on the construction site may show a slight deviation since the environmental conditions, the application, and the way of processing our products are beyond our control. Do not add any products other than those indicated on the technical documentation. This version replaces all previous versions. Version 2.0 Date: 5 November 2020 1:41 pm