

EPISOL® FLOORLINE EGALISER

READY-MADE, PRE-DOSED EPOXY SCRAPE AND LEVELING LAYER



DESCRIPTION

EPISOL® FLOORLINE EGALISER is a ready-made, pre-dosed scrape and leveling layer to level out the surface before applying an epoxy or polyurethane synthetic resin coating or cast floor.

ADVANTAGES

- Solvent free
- Limited layer thickness
- Limited consumption
- Mechanical strength
- Excellent flow
- Silicone free
- Good compatibility with EPISOL® primers, coatings and cast floors.

FIELD OF APPLICATION

Scrape and leveling layer to level out the surface before installing an epoxy or polyurethane synthetic resin cast floor. Suitable for leveling out differences in level up to 3 mm.

- Underground and above ground parking decks
- Garages
- Workshops
- Warehouses
- Storage areas for hazardous goods
- Floors to be coated on an industrial basis
- Decorative floors
- Retail spaces
- Public buildings
- Food industry, pharma, industrial kitchens
- 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

EPISOL® FLOORLINE EGALISER can be applied 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.

The flatness of the surface must be consistent with the desired requirements.

Should this not be the case, then correct measures have to be taken to fill in or smooth out the irregularities with products that are

complementary to the substrate and to the coating 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

- Mixing containers
- Mixer with spindle (min. 300 rpm)
- Flat trowel or toothed trowel with triangular saw blade profile.
- 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 % moisture.

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.

Always apply EPISOL® FLOORLINE EGALISER on a cured layer of EPISOL® PRIMER complementary to the substrate.

PREPARATION OF THE PRODUCT

Mixing

Stir the base (component A) homogeneously before use. Add the full amount of hardener (component B) and mix mechanically (300 rpm) until both components are homogeneous. Slowly add the filler component to the mixture. Mix until a homogeneous mass is obtained.

PREPARATION OF THE EQUIPMENT

Always work with clean mixing containers and application material.

APPLICATION

Pour out EPISOL® FLOORLINE EGALISER and spread with a flat trowel or toothed trowel. Use a toothed trowel with a triangular saw blade profile. Roll to deaerate with a spiked roller.

FINISHING

From 12 hours to 7 days after the installation of EPISOL® FLOORLINE EGALISER this can be coated with an epoxy or polyurethane coating or cast floor.

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 +30 °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 EPISOL® FLOORLINE EGALISER. Cured products residues must be removed mechanically.

For cleaning and maintenance of the installed synthetic resin systems please refer to the information sheets:

Cleaning and maintenance of synthetic resin floor systems - INDUSTRY
Cleaning and maintenance of synthetic resin floor systems - PUBLIC AND PRIVATE BUILDINGS.

COMPLIMENTARY PRODUCTS

- Cleaning solvent for tools: SOLVENT MEK

ADVICE / FOCAL POINTS

Synthetic resin coatings and cast floors can be installed up to 7 days after the equalisation.

TECHNICAL DATA

APPEARANCE - COMPOSITION

A-component	Modified epoxy resin
B-component	Polyamine hardener
C-component	Dry filler
Colour	Grey beige

REACTION TIMES

Processing time ± 30 minutes.

Walkable: after 12 hour

Full mechanical load: after 7 days

Full chemical resistance: after 7 days

Times measured at 20 °C; lower temperatures extend the curing time.

CONSUMPTION

1,7 kg/m² per mm layer thickness.


TECHNICAL DATA

Density	1,65 kg/dm ³
Surface	Smooth
Compressive strength	>60 N/mm ²
Flexural strength	>40 N/mm ²
Bonding to concrete	2,6 N/mm ²
Fire class	NPD EN 13501 Euronorm
Heat resistance	60 °C
Layer thickness	From 0.5 to 3 mm
Curing	Shrink-free

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	
Kunstharz gietvloer/coating voor binnen gebruik in gebouwen.	
Reaction to fire	B _{FL} S ₁
Release of corrosive substances	SR
Water permeability	NPD
Wear resistance (EN13892-4)	AR 0.5
Bonding strength (EN13892-8)	>B 2,0
Impact resistance (DIN EN ISO 6272)	>10 Nm
Soundproofing	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD

REFERENCE DOCUMENTS



PACKAGING

EPISOL® FLOORLINE EGALISER	Comp A	Comp B	Comp C
Set 41,0 kg	11,0 kg	5,0 kg	25,0 kg

STORAGE AND SHELF LIFE

Store EPISOL® FLOORLINE EGALISER in a dry, well-ventilated storage area between +5 and +35 °C.

Shelf life: 24 months after production date. C component shelf life : unlimited.

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 EPISOL® FLOORLINE EGALISER. Ensure adequate ventilation, keep away from sources of ignition and do not smoke. Avoid skin contact. Eye irritation and/or hypersensitivity may occur in case of high vapour concentration, inhalation and/or skin contact. Do not store food (food, drinks) in the same workspace.

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: 25 April 2024 2:49 pm