

# EUROFLOOR SL-R

## SYSTEM DESCRIPTION

**EUROFLOOR SL-R** is a two-component, solvent-free, mono coloured self-leveling floor system on the basis of BPA and BPF-epoxy resin, amine curing agent and filler silica, characterized by high mechanical strength and chemical resistance. Its appears as a shining high decorative floor with many application possibilities.

## APPLICATION

All types of industrial premises, shops, warehouses, offices, exhibition spaces, hospitals, laboratories, aircraft hangars and many other. Eurofloor SL-R is developed for many application types like anti-slip and decorative applications.

## BENEFITS

- excellent adhesion to the substrate
- good chemical resistance
- good resistance to abrasion
- exceptional resistance to bending and stretching
- easy to keep clean

## TECHNICAL DATA

Ground Coat	Europox Z, TF, AP, OS
Structural Coat	Europox SL-R
Lacquer	EUROPOX PU WA MAT colour or EUROPOX PU WA MAT- option
Resistance to abrasion	$\leq 8\text{cm}^3/50\text{cm}^2$ (Boehm's disk)
Water absorbability	$\leq 1\%$
Full mechanical and chemical load-carrying capacity	7 days
Temperature resistance	water up to 70°C
Chemical resistance to:	oil, grease, gasoline, certain solvents, weak acids and bases

## SYSTEM EUROFLOOR SL-R

### SMOOTH

THICKNESS	PRIMER	CONSTRUCTION COAT	LACKER
1 mm	Europox Z 0,3 – 0,4 kg/m <sup>2</sup>	Europox SL-R 1,5 kg/m <sup>2</sup>	Europox PU WA MAT 0,1 kg/m <sup>2</sup>  EUROPOX PU WA MAT colour 0,16 kg/m <sup>2</sup>
2 mm	Europox Z 0,3-0,4 kg/m <sup>2</sup>	Europox SL-R 2 kg/m <sup>2</sup> + 1kg/m <sup>2</sup> quartz filler 0,1-0,4	Europox PU WA MAT 0,1 kg/m <sup>2</sup>  Europox PU WA MAT

➤ 2 mm	Europox Z 0,3-0,4 kg/m <sup>2</sup>	mm Europox SL-R 2 kg/m <sup>2</sup> + 2kg/m <sup>2</sup> quartz filler 0,1-0,4 mm	colour 0,16 kg/m <sup>2</sup> Europox PU WA MAT 0,1 kg/m <sup>2</sup> Europox PU WA MAT colour 0,16 kg/m <sup>2</sup>
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### SLIP

THICKNESS	PRIMER	CONSTRUCTION COAT
1,5mm	Europox Z 0,4 kg/m <sup>2</sup> + 1,5kg/m <sup>2</sup> quartz filler 0,4-0,8 mm	Europox SL-R 0,7 kg/m <sup>2</sup>
2,5 mm	Europox Z 0,4 kg/m <sup>2</sup> + 1,5kg/m <sup>2</sup> quartz filler 0,4-0,8 mm	Europox SL-R 0,7 kg/m <sup>2</sup> + 2kg quartz filler 0,4-0,8 mm + Europox SL-R 0,7kg/m <sup>2</sup>

## APPLICATION

### SUBSTRATE PREPARATION

**The new sub floor** should be clean, well bonded and should not crumble. If required, it should be prepared using a grinding or scarifying machine e.g. Blastrac in order to remove the cement powder and the unevenness of the floor. The concrete should have a high durability (minimum of B25 concrete tested with "pull off" method and > 1,5 MPa) and be free from contaminations such as fat, oil, dirt, etc.

**The old subfloor** should be grit-blasted or ground – depending on its state. The durability of the ground should be >20 N/mm<sup>2</sup>. Cracks and pits should be evened out before the installation of the floor. It is sometimes necessary to use detergents eliminating fat and oil stains.

Uneven surfaces should not exceed 50% of the thickness of the layer.

### APPLICATION CONDITIONS

The temperature of the room and the ground should be no less than +10°C.

The recommended temperature of the material before application is 20°C. The material should not be applied to a rough ground if its temperature is lower than or equal to the CONDENSATION TEMPERATURE POINT.

## MIXING AND APPLYING THE MATERIALS

The material is composed of two components capable of reacting. The components should be well mixed together before being applied with the maintenance of regulatory mixing relations which have a very high influence on the quality of the finished product. The individual components are supplied in amounts which are mutually adjusted. When pouring out the components to mix them, the containers should be emptied completely. When processing a portion of the packaging contents, it is necessary to weigh the components in order to maintain the given proportions. The reaction should not be accelerated or slowed down by changing the amount of the hardening agent. When mixing the components, only use appropriate mixing tools powered by a drilling machine with rotations not greater than 400 per minute. The increasing rotations above this level causes air to be additionally mixed in and increases the mixture temperature thereby accelerating the reaction, hardening the mixture and decreasing its effective life. All components should be mixed approximately 2-3 minutes. The creation of streaks indicates inadequate mixing. After mixing, the finished mass is ready to be applied.

### 1<sup>ST</sup> LAYER

- the prime layer EUROPOX Z should be applied using a velour roller.

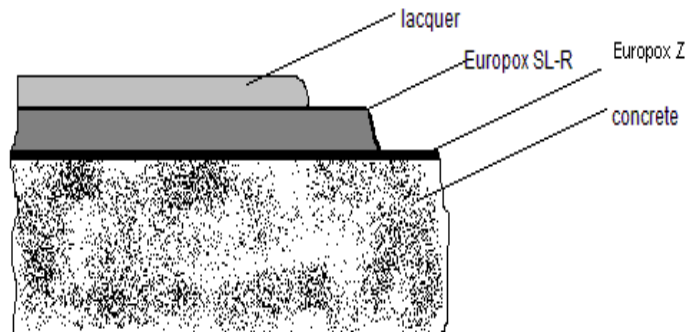
### 2<sup>ND</sup> LAYER

- the structural layer EUROPOX SL-R – apply evenly onto the substrate using a special trowel with teeth for proper height. After spreading, the material should be of a spiked roller rolling out in two directions perpendicular to vent and evenly distributed layer of filler

### 3<sup>rd</sup> LAYER

- the finishing layer – lacquer EUROPOX PU, used to obtain a matt surface applied with a roller velour, after drying of the right

## EUROFLOOR SL-R SYSTEM LAYERS



## EXPANSION JOINTS

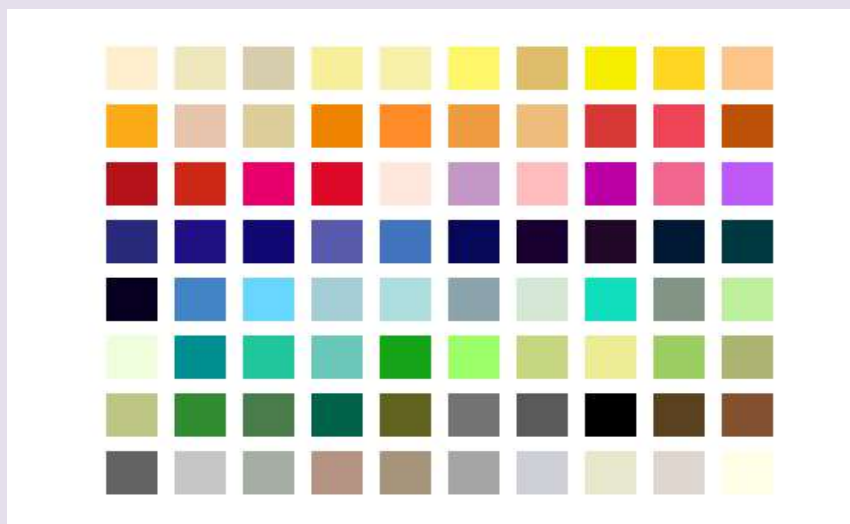
The existing ground expansion joints should be marked before the applying of the EUROFLOOR SL-R and after the hardening of the floor again recreated and further filled in using a polyurethane mass.

## FLOOR CARE

The floor should be often and regularly cleaned in order not to allow for dirt build-up on its surface. It is recommended to use alkali detergents dissolved in water.

## COLOURS

**COLOURS** – in accordance with sampler RAL K7: 1015, 7042, 7032, 7035, 3009, 6021, 5014.  
Next colours can be produced.



## STORAGE CONDITIONS OF COMPONENTS

- Store in tightly closed barrels or containers
- Keep naked flames away
- the minimum storage temperature +5°C
- Do not allow for epidermal exposure
- avoid breathing vapours from heated material
- do not allow to contact the individual components with acids, strong oxidizing agents, bases
- the material does not present spontaneous explosion

## TERMS OF GUARANTEE

The product should be applied by trained personnel. The supplier bears no responsibility for the errors of the buyer resulting from failure to observe the rules of this TECHNICAL CARD.

## FIRST AID

### SKIN

- the contaminated clothing should be taken off
- the contaminated skin should be washed with water and a mild washing agent
- do not use solvent
- any wounds should be bandaged using a sterile bandage
- in the event of the continuation of symptoms a doctor should be contacted

### INHALATION

- after contact – the victim should be supplied with fresh air
- protect from heat loss and loss of consciousness
- lay down in a resting position

### EYES

- the eye should be rinsed thoroughly with clean water
- the eyelid wash with plenty of water
- If the symptoms persist seek medical advice

### DIGESTIVE SYSTEM

- drink plenty of water
- give activated carbon
- if the symptoms persist consult a physician.

## PROTECTION

1. All workers should be trained in detail in the handling of epoxy resins
2. It is not permitted for persons with allergies to perform work near the resins
3. Protective glasses and gloves should be used if there is a danger of splashing the emulsion
4. After every contact of the emulsion, it is important to wash the hands with water and mild cleaning agents (this is especially important before meals). Do not use benzene, toluent or tetrachloride carbonate!
5. Due to hygienic reasons, there should be no food or drink consumption in the workplace as well as no smoking of tobacco.

## ECOLOGICAL INFORMATION GENERAL

- The individual components and their uncured mixture can contaminate water.
- Do not let them reach ground water, water course or sewage system.
- Should always lead to a hardening of the remaining material.
- Cured product residues should be disposed of as artificial material.