

# eile PERFLOOR

## Cement and Acrylic Resin-based Two-component Self-leveling industrial floor Coating

### Description

It is a cement and acrylic resin-based, two-component, high abrasion resistant, self-leveling, fiber reinforced ground coating.

### Areas of Usage

- \* Balcony and terraces.
- \* Parking and garages.
- \* In worn industrial grounds, it is used as coating.

### Features of Product

- \* It is easy and quick to apply.
- \* It is highly resistant to abrasion and impact.
- \* Self-leveling, comes to the level
- \* It gives dust-free feature to the surface.
- \* It has strong Adherence

### Application

#### Surface Preparation

The surface must be solid, load bearing, dust-free and clean. The cement-based surface to be applied must be set. All kinds of oil, grease, rust and paraffin residues that will weaken the adherence should be cleaned. There should be no loose parts on the surface. The cracks wider than 1 mm and the disorders deeper than 5 mm on the surface to be applied should be repaired, as appropriate, with **eile TS 70**, **eile TH 60**, **eile Grout 50C** or **eile Grout 60C**. The repair of fine shrinkage cracks can be ignored.

#### Grouts

Grouts which are located on the repaired ground must be marked; after the application, it should be moved to the new surface. If **eile PERFLOOR** will be linked to another coating, the coating must be locked by opening a channel of at least 3 mm in depth. A movement grout should be created for the coating to which **eile PERFLOOR** is linked, this grout should be filled with **eile Polyurethane Sealant**.

#### Saturating ground with water

The application surface should be saturated to the water 1 day before in order to prevent rapid water loss in high temperatures. Before the application, no water accumulation should be left.

#### Mixing

**eile PERFLOOR** B component (liquid) is taken in a bucket of fresh mixture. A component (powder) is added over it little by little. It is mixed with a low-speed mixer for 3-4 minutes until it gets a homogeneous appearance. It is allowed to rest for approximately 3-5 minutes.

Then it is mixed again for 30 seconds and then it is ready to use.

#### Mixing ratio

It is mixed as A Component of 25 kg and B component of 8 liters.

#### Priming

To enhance the adherence and increase the lifetime of the product; the prepared mixture (material itself) must be applied to the ground as a primer coat with a brush.

#### Method of application

The material is applied to the ground by spreading before the primer application completely dries out. **eile PERFLOOR** should be applied as 3-5 mm in thickness by using an adjustable trowel. To obtain a smooth surface coating, the product is applied by pouring onto the floor without interruption. In this way, the effective spread is provided. After removing the air bubbles with a spiked roller, 0.5 to 1.00 kg/m<sup>2</sup> 100-300 quartz sand should be sprinkled in order to increase the resistance of the surface and to prevent cracks. If an uneven surface is desired, 300-700 quartz sand should be sprinkled. Sudden temperature changes in the application environment should be avoided.

#### Consumption

For 1 mm thickness, 1,9 - 2,0 kg/m<sup>2</sup>

#### Points to take into consideration

- \* **eile PERFLOOR** is suitable for the application in + 5 ° C to + 25 ° C temperature conditions. If the application ground temperature is not in the designated temperature range, the appropriate temperature should be waited. In extremely hot and windy environments, the application should not be performed.
- \* The temperature of the application ground and ambient affects the cement hydration reaction. Therefore, the ambient and ground temperature must be in the range of allowed values.
- \* After the material is applied, fast drying should be prevented. The applied material must be protected from water contact.
- \* The application surface can be opened to traffic after three days. If it is in heavy traffic conditions, the application surface should be opened at the end of the 7 days.
- \* **eile PERFLOOR** is an industrial coating. Depending on the structure of the application surface, color changes could be observed.
- \* Applications must be carried out by expert implementers



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## Cleaning of Tools

After the application, tools and equipment used should be cleaned with water. After the material is hardened, it can only be cleaned from the surface mechanically.

## Packaging

**Set** :33 kg

**A Component (powder)**: 25 kg kraft sacks

**B component (liquid)**: 8 liters plastic barrels

## Storage

It must be stored unopened in its original packaging, in cool and dry conditions, in a place away from direct sunlight and frost.

## Shelf Life

12 months from the date of production, in its unpacked original packaging, in cool and dry conditions. The opened packages should be stored in appropriate storage conditions by being kept in tightly sealed, as long as they are not mixed, and they should be consumed in a short period of time.

## Technical Specifications

**Structure of the material (A component)**: includes mineral filler, pozzolanic additives and special cement.

**Structure of material (B component)**: Acrylic dispersion  
**Compressive strength (28 days)** :  $\geq 30 \text{ N/mm}^2$

**Adhesion Strength** :  $\geq 2 \text{ N/mm}^2$

**Application Thickness**: min. 3 mm/max. 5 mm

**Application ground temperature** : + 5 °C to + 25 °C

**usage time** : 30 minutes (at 20 °C)

**Full Curing Period** :28 days

**maturity time**: 3-5 minutes

\*The above values have been obtained as a result of lab tests. Values may vary due to differences in site environment.

**Safety Recommendations**: Please wear the coveralls, protective gloves, glasses and mask suitable for occupational health and safety. Make sure that it does not contact the skin and the eyes; in case it does, wash with plenty of water. In case swallowed, contact the closest health care institution immediately. Keep out of the reach of children. Keep food and drinks away from the application areas.

**Responsibility**: In case the recommendations and application conditions specified above are not conformed, the applications (misuse) do not fall under the responsibility of **POMZA EXPORT A.Ş.**, the producer of **eile POMEX branded products**. The user is responsible for whether the product is used in accordance with its purpose, as well as the validity of application conditions and forms. **eile Pomex Construction Chemicals** does not accept any indemnity claim concerning the results, work accidents, direct or indirect damages or losses due to the misapplication of the products.

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