

# PATFLOOR SL

## Self Leveling High Build Floor Epoxy



An Industrial Care  
Company

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### Technical Data Sheet

#### PRODUCT DESCRIPTION

A solvent free, high performance, high build, self-leveling three pack epoxy based floor coating. Patfloor SL forms a continuous, tough, smooth, seamless and easy to clean surface that has outstanding resistance to abrasion, impact and spillage of solvent, oil, petrol, jet fuel, diesel and dilute acidic and alkaline solutions.

#### USES

Suitable for the protection and decoration of floors in medium industrial environments. Particularly suitable for cement, concrete, stone and steel surfaces.

#### PROPERTIES

##### Physical Properties

Tensile Strength	:	30 N / mm <sup>2</sup>
Compressive Strength	:	63 N / mm <sup>2</sup>
Flexural Strength	:	41 N / mm <sup>2</sup>
Bond Strength	:	6 N / mm <sup>2</sup>

##### Chemical Properties

Resistant to:

- Most acidic and alkaline solutions up to 30% concentration.
- Fuel and Gasoline.
- Hydraulic Fluids.
- Salads and Vegetable oils.
- Sea and pure water.
- Detergents.
- Selected Solvents.

For other or specific chemicals, consult with PATSA Technical Services Department.

##### Appearance

Glossy

##### Color Range

RAL Shades

##### Pack Size

20 litres (including base, hardener and aggregates).

##### Spreading Rate

Patfloor SL is designed to be applied at a thickness of 1 to 3 mm, with a spreading rate of 1 sq.mt./ltr./mm., depending on surface texture and smoothness.

##### Drying Time

Surface dry in 4 hours in normal drying conditions.

##### Minimum Recoating Time

12 hours at 20° C.

8 hours at 35° C.

##### Maximum Recoating Time

7 days at 20° C.

3 days at 35° C.

##### Full Curing Time

7 days.

##### Shelf Life

12 months when stored in dry and cool conditions.

#### APPLICATION DATA

Apply by rake with adjustable opening 1 - 3 mm, followed by a spiked roller to release air bubbles. (For small, isolated areas pour the material and help the leveling by raking with a thinly bristled stiff steel brush of suitable size).

##### Mixing

Mix base for 2 minutes. Add the hardener to the base while mixing slowly with a low speed power mixer for 3 minutes. Then add the aggregates slowly and continue mixing until a uniform mixture is obtained. Do not over mix, this will reduce the pot life of the product.

##### Ratio

The product is supplied in proportioned components. Mixing ratio by weight:

Base	:	11.2
Hardener	:	2.7
Aggregates	:	16.75

##### Pot Life

50 minutes at 20° C.

##### Thinning

Do not thin, supplied ready for use.

##### Cleaning

Clean all tools and equipment with Thinner 17

##### Caution

Do not use when humidity levels may cause surface condensation (maximum 85%), during rainy conditions, or if temperatures are likely to fall below 5° C during application and drying. Application by brush or roller may lead to an uneven distribution of the material.

#### SPECIFICATION

##### Preparation (New Work)

##### General

All surfaces should be sound, clean, dry and free from loose and flaking materials, efflorescence, laitance, curing compounds, dirt, oil and grease

### **Metal (All Types)**

Remove all corrosion and mill scale to produce a clean metallic surface (for details of preparation methods contact PATSA'S's Technical Services Department). Use the appropriate PATSA Primer.

### **Preparation (Previously Decorated Surfaces)**

#### **All surfaces**

All surfaces should be sound, clean, dry and free from loose and flaking materials, dirt, oil, grease, wax or polish. Where necessary patch prime with the relevant

### **Decoration (New and Previously Decorated Surfaces) All Surfaces**

Depending on performance requirements, apply 1 to 3 mm of Patfloor SL Floor Coating.

### **NOTES**

- i. Remove oil, grease and other surface contaminants by either mechanical means e.g. abrasive blasting or chemical means e.g. H.D.Degreaser
- ii. Laitance – A hard, brittle, loosely bound "skin" formed on the surface of concrete during drying, must be removed for effective long term adhesion. Remove either by chemical means e.g. acid etching, or by mechanical means e.g. abrasive blasting, or high pressure water jetting. Diamond grinding remains the recommended method for new concrete surfaces preparation. (For more details of preparation methods contact PATSA's Technical Services Department: 021 32201072).
- iii. Unless it is of necessity, high pressure water jetting is not usually recommended, due to the additional time required for the concrete to dry before applying the primer.
- iv. Surface cracks should be "V" notched and filled with Epoxy Repair Mortar
- v. The concrete must be fully cured (at least 4 weeks old) and basement or ground level floors must include a damp proof membrane, otherwise rising damp may cause blistering / disruption of any paint applied.

- vii. Apply the primer using a rubber squeegee followed by rolling with a short pile mohair roller.
- viii. It is essential to remove all wax or polish. Wax should be removed using Thinner 17, whilst polish be removed using a proprietary stripper
- ix. For all metal surfaces grit blast or grind the surface to satisfy SA 2 ½ (BS 4232 second quality).

### **SAFETY – FLAMMABLE**

Patfloor SL is solvent based and can harmful to the environment.

In case of contact with eyes rinse immediately with plenty of sweet water and seek medical advice.

In case of contact with skin wash immediately with soap and water or a recognized skin cleaner

### **IMPORTANT NOTICE:**

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