

## EPOTEC PU STANDARD

**Jointless four-layer system for high-capacity parking places with resistance to salts, oil products, frost and water, suitable for base structures for both exterior and interior areas. The highest series of the Epotec PU System.**

### Advantages

- tough, mechanically- and chemically -resistant, elastic water-proofing membrane;
- suitable for concrete and asphalt;
- slip-resistance surface;
- does not contain solvents;
- possibility of colour combinations.

### Structural system suitable for all kinds of areas

#### Exterior areas

Epotec PU Primer	0.4 kg/m <sup>2</sup>
Epotec PU Membrane	1.0 kg/m <sup>2</sup>
Epotec PU Primer,	
Epotec PU Membrane	1.0 kg/m <sup>2</sup>
Anti-slip filling	2.0-2.5 kg/m <sup>2</sup>
Epotec PU Finish	0.5-0.65 kg/m <sup>2</sup>

### TECHNOLOGY OF PLACING

#### Surface preparation - Concrete

Shot-blasting, grinding or milling. All loose particles must be removed to attain clean, dry, dust-free, open-structured surface.

The surface must not be contaminated by oils or other substances.

Penetration must be carried out using Epotec PU Primer. Extra porous materials may require 2 penetration layers.

#### Surface preparation - Asphalt

Shot-blasting that offers good texture and removes all impurities. For penetration, use Epotec PU Primer

#### Mixing

The packages are pre-weighed to achieve optimal result during application. Never



▲ Grade-level parking lot  
Opava

partition or change doses in the packaging. Prevent entry of excessive air into the mixture. Mix in dry environment to prevent entry of moisture into the mixture.

#### Application - Epotec PU Primer

Immediately after mixing all components spread the material using a rake or tooth burnisher to achieve even layer thickness if possible. The material is self-levelling. Before placing Epotec PU Finish, apply silica sand of grading 0.3 - 0.8, according to roughness requirements, over the whole surface. After hardening, remove all loose particles by sweeping and vacuuming. Depending on local conditions and base condition, Epotec Primer SF or Epotec Primer SW may be used.

#### Epotec PU Membrane

The penetration layer must be overlapped within 24 hours, otherwise another penetration layer must be applied.

Immediately after mixing all components spread the material using a rubber doctor or tooth burnisher to achieve even layer thickness if possible. The material is self-levelling.



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### Application - Epotec PU Finish

Immediately after mixing spread the material using a rubber doctor or trowel and finish by roller-coating.

### Further information

If this material is to be used together with other materials, check the suitability with the relevant equipment certificates and specify all eventual risks. Consumptions for the separate layers may vary depending on the condition of the base, application temperature or other requirements for abrasive power or appearance.

### Equipment cleaning

Clean with thinner before the material hardens.

### Temperature

Epotec PU should not be applied if the temperature of the material or floor drops below 15 °C. The temperature should not drop below 5 °C during the first 24 hours after application. We also do not recommend application at temperatures exceeding 30 °C.

### Packing

See equipment certificates of the separate materials.

### Storage and useful life

If stored unopened, in a dry place at the temperature of 10-35 °C, the useful life is at least 6 months.

### Physical properties

See test certificates of the separate materials.

### Health and safety

Some components of this material may be hazardous during mixing and application. Therefore, consult the relevant health and safety data available on request in Techfloor s.r.o. and sent with each material supply.

### Work safety

- Irritating to eyes, respiratory system and skin.
- May cause sensitization by inhalation and skin contact.
- Harmful to environment.
- May cause sensitization by skin contact.
- Do not breathe gas/fumes/vapour/spray.
- Wear suitable protective clothing, gloves and eye/face protection.
- After contact with skin, wash immediately with plenty of water.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

- This material and its container must be disposed of as hazardous waste.
- In case of insufficient ventilation wear suitable respiratory equipment.
- In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).
- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Avoid release to the environment. Refer to special instructions/safety data sheet.
- Harmful by inhalation.

### Certificates

The material Epotec PU meets the requirements of Ordinance No. 163/2002 Coll. The material has been tested by certification and testing bodies. The material quality has been certified by a certificate issued by an authorized body. Products put to the market correspond to the technical specification.

The following documents are available for Epotec PU:

**Certificate** according to provisions of § 10 of Act No. 22/1997 Coll., as amended, on technical requirements for products and on amendment of certain other Acts, and § 5 of Ordinance No. 163/2002 Coll., as amended by Ordinance No. 312/2005 Coll.

**Product Certification Protocol** according to Act No. 22/1997 Coll., as amended, on technical requirements for products, and Ordinance No. 163/2002 Coll., § 5.

**Building-Technical Certificate** according to provisions of § 10 Act No. 22/1997 Coll., as amended, on technical requirements for products and on amendment of certain other Acts, and § 2 and 3 of Ordinance No. 163/2002 Coll., as amended by Ordinance No. 312/2005 Coll.

**Test Protocols** according to the following Standards: CSN EN ISO 527-4,2, CSN EN ISO 604, CSN 744507, CSN 731324, CSN 736242, CSN 732577, CSN EN ISO 868.

**Testing of Fire-Technical Characteristics** according to the following Standards: CSN EN 13501-1, CSN EN ISO 9239-1, CSN EN ISO 11925-2, CSN EN 730810.

**Determination of Volatile Organic Compounds (VOCs)** - Test method of specialized workplace - National Institute of Public Health, Prague.



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Grade-level parking lot Zlín

### Contact our dealers!

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