

## EPOTEC QS

**Epotec QS is a universal trowel-finish epoxide chinkless system of thickness 3 – 4 mm. By means of silica sands and their mixtures, you can obtain aesthetic high-quality flooring with a high mechanical strength, chemical resistance, long durability, hygiene, and comfort. Its mechanical strength is superior to the strength of structural concrete. For practical reasons, an optimum surface seems to be that with fine grain which can be easily washed showing a high resistance against abrasion which can suppress small aesthetic defects of the flooring (for instance, abrasion by driving-on, etc.). The flooring is water-tight, but it allows water vapour to diffuse.**



### Composition

- Component A – epoxide resin.
- Component B – hardener.
- Component C – filler (special mixture of mineral substances).
- Component D – sand.

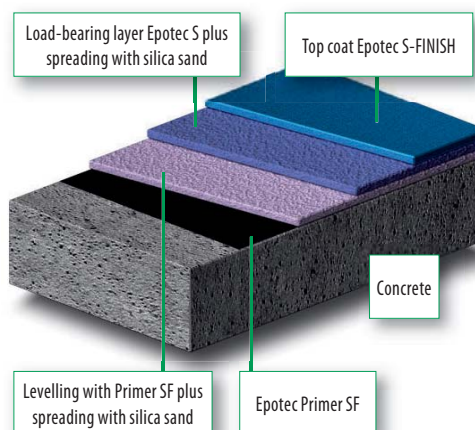
### Uses

**Epotec QS** is a system designed for reaching aesthetically valuable surface finish of the floor, which is thus mechanically and chemically resistant and can be easily cleaned. Recommended use includes:

- industrial halls
- exposition areas
- shopping areas
- hospitals
- hotels
- commercial areas

### Advantages

- high aesthetics of flooring
- good mechanical resistance
- enables diffusion of water vapours
- water-resistant
- attractive colour design
- variable thickness of layer
- easy maintenance



### Surface preparation

The floor plate must be clean, dry, free of any mechanical dirt and non-homogeneous particles. Residual moisture content of concrete must be under 4 %; the concrete should be aged for at least 28 days. Ideal preparation is by shot-blasting – method Blastrac.

### Processing

Mix the component A (because of possible sedimentation of pigment), mix in the component B and stir until a homogeneous mixture is formed. Then, mix in the component C (filler) and stir again until a homogeneous mixture is formed. Do not divide or change the given volume in the package; do not process at a temperature under 15 °C.

▲ Karosa Vysoké Mýto

Nowaco Opava 147 m<sup>2</sup>

Garages Rostovská, Prague 410 m<sup>2</sup>

Svit Zlín 660 m<sup>2</sup>

Aikmann and Collins Hodonín 90 m<sup>2</sup>

Radek Taras Index CZ Ostrava 186 m<sup>2</sup>

Atelier Prague Kavčí Hory 1 265 m<sup>2</sup>

Adélka Pelhřimov 60 m<sup>2</sup>

Garages Orlová 3 194 m<sup>2</sup>

Biocel Paskov 145 m<sup>2</sup>

Hotel Kriváň Prague 3 850 m<sup>2</sup>

Sfinx Holešov 2 733 m<sup>2</sup>

Wagon automotive Bělá pod Bezdězem 530 m<sup>2</sup>





IFE Brno 8 813 m<sup>2</sup>

Mobal Vratimov 170 m<sup>2</sup>

Místecká dairy, Frýdek-Místek 75 m<sup>2</sup>

Professional Building School, Opava 180 m<sup>2</sup>

Dukelská Military quarters, Opava 150 m<sup>2</sup>

Zetor Brno 3 500 m<sup>2</sup>

Mürdter Dvořák Olšany 260 m<sup>2</sup>

Sanitas Říčany 3 055 m<sup>2</sup>

Brewery Staropramen, Prague 842 m<sup>2</sup>



Garages Terrounská Prague 3 000 m<sup>2</sup>

Spel Kolín 1 521 m<sup>2</sup>

Autopalace Mazda

Prague-Spořilov 1200 m<sup>2</sup>

KVS Dvorce 520 m<sup>2</sup>

Pejskař Police nad Metují 790 m<sup>2</sup>



Elevated garages Opava

## Application

- Shot-blasting of floor plate.
- Penetration with material Epotec Primer SF. In case of a high-quality floor surface, a roller is sufficient; if the surface is porous use a steel trowel.
- Levelling (alternatively) with silica sand spreading.
- Application of the load-bearing layer with silica sand spreading (alternatively coloured). Immediately after mixing, spread Epotec QS to required thickness by means of a steel spattle and sprinkle with sands. After reaching uniformity and planeness, the layer made in this way is ground.
- Realization of the final layer with the roller or spattle.
- Then, apply a top final coat by the roller, rubber or steel spattle. In case of smoother surfaces, the final coat should be made in several layers.

## Cleaning

Immediately after application, clean the tools with acetone.

## Consumption

According to conditions and type of floor plate 2.5 – 7.0 kg/m<sup>2</sup> of area.

## Certificates

The material Epotec QS meets requirements of the Government Order no. 163/2002, and thus provides for conformity of the material properties with basic requirements of this act. The material has been verified by certifying and testing organs. The manufacturer possesses all necessary tests required by the Czech law. Quality of the material is approved by the Certificate issued by an authorized person who, by this document, certifies that the products put on the market correspond to the technical specification.

The material Epotec QS is accompanied by the following documents:

- Certificate no. C-02-0854/A/Z issued by CSI a. s. Zlín,
- Declaration of conformity issued pursuant to § 12 par. 2 of the Act no. 22/1997 and § 5 of the Government Order no. 163/2002,
- Building-technical certificate no. STO-02-1108/A/Z issued by CSI a. s.,
- Statement on health soundness of the products issued by the State Health Institute,
- Protocols 10856-1/2, 10856-2/2 on tests of fire-technical characteristics issued by CSI a. s. Prague,
- Protocol on the test no. 144-004-062 issued by CSI a. s. Zlín.

## Packaging

The material is packed in total weight unit 35.2 kg.

## Storage

In original containers in a dry frost-free environment (min. 5 °C) for the period of 1 year.

## Work safety

- It is irritating to eyes and skin.
- It can induce sensitization in contact with skin.
- Use appropriate protective clothing, protective gloves, protective goggles or face shield.
- In case of contact with skin, wash immediately with plenty of water.
- In case of hit of eyes, wash immediately with plenty of water and seek for medical assistance.
- Harmful to aquatic organisms, it can induce adverse effects in the aquatic environment.
- Keep locked out of reach of children.
- In case of an accident or if you do not feel well, seek immediately for medical assistance (if possible, show this label).
- Prevent releasing into the environment.
- It causes etching.

## Technical data

Compression strength .....	80 MPa
Tensile strength with bending .....	25 MPa
Adhesion .....	> tensile breaking strength of concrete
Processability at 20 °C .....	30 min.
Next layer at 20 °C .....	after 12 – 16 h
Walking-on at 20 °C .....	12 h
Hardening at 20 °C .....	after 7 days
Abrasion .....	8.4 cm <sup>3</sup> /50 cm <sup>2</sup>
Flammability .....	C1 – hardly flammable

## Contact our dealers!

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