

# ExperFloor CS 10

COLOR OPTIONS: Grey

30  
±%2 KG



## Floor Systems

103930

GÜVEN MADENCİLİK İNŞAAT SAN. ve TİC. A.Ş.

### CEMENT BASED, PUMICE ADDED, FLOOR SCREED WITH INSULATION FEATURE

Cement based, pumice and polymer added, single component, floor screed with insulating feature that can be applied in 30-50 mm thickness range.



THERMAL  
INSULATION



PROVIDES  
SMOOTH  
SURFACE



APPLIED  
BETWEEN  
30-50MM

### TECHNICAL SPECIFICATIONS

|                       |  |
|-----------------------|--|
| Chemical Structure    | Cement based, polymer and pumice added powder    |
| Dry Unit Weight       | ~900 g/cm <sup>3</sup>                           |
| Mixture Ratio         | 14,00-15,50 lt water / 30 kg powder              |
| Pot Life              | ~1 hour  |
| Working Time          | 20 minutes                                       |
| Application Thickness | 30-50 mm   |
| Reaction to Fire      | A1   |
| Dmax                  | 3-4 mm   |
| Consumption           | 8,00-9,00 kg/m <sup>2</sup> (for 1 cm thickness) |

\* All technical values are calculated at +23°C and 50% relative humidity.  
Changes in temperature and humidity change the technical values.

### ADVANTAGES

- Easy to apply.
- Provides a smooth surface.
- It provides thermal insulation and sound proofing between floors in the building interiors with a single product.
- It does not create thermal bridges with its seamless structure.
- Prevents condensation (bleeding), mold and moisture.
- It does not crack and swell.
- Resistant to abrasion and dusting.
- Does not require protection screed, reduces building load.
- It acts as a fire barrier.

### APPLICATION AREAS

Used as a screed material to create a smooth floor with sound proofing and thermal insulation features:

- Indoors and outdoors,
- For applications on roofs and between floors of hotels, hospitals, schools, residences, business centers and offices.

### SURFACE AND APPLICATION CONDITIONS

- The floor concrete must be cured and the moisture content of the concrete must not exceed 4%.
- Air temperature should be between +5°C and +35°C during application.

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### SURFACE PREPARATION

- The application surface must be dry. It should be cleaned from dust, dirt, paint, oil and similar substances that will reduce adherence. Eyelet gaps should be filled. Oil-soaked surfaces should be cleaned with chemical cleaning agents.
- Material such as mortar and cement residues should be scraped off.
- Repair of surface damages with a depth of more than 2 cm should be filled with repair mortar 24 hours before application.
- The surface should be primed with ExperPrime AP 30 primer after surface preparation.

### PREPARATION OF MIXTURE

- Using a scale, pour 14,00-15,50 liters of clean water into a clean mixing bowl.
- Slowly add ExperFloor CS 10 into the water tank and mix with a low speed mixer (140-200 rpm) for 3-5 minutes until a homogeneous and lump free mixture is obtained.
- After the mixture has rested for about 10 minutes, it is mixed again for a short time and made ready for application.

### APPLICATION DETAILS

- Depending on the ground and weather conditions; ExperFloor CS 10 can be applied at least 30 minutes after primer application.
- The application surface is divided into plaster strips according to the desired thickness according to the width of the area.
- Pour the prepared mortar onto the surface divided into plaster strips one by one and spread it on the surface with a trowel. After spreading is complete, ruling is done.
- In applications made with a mixer pump, the width of the application area should not exceed 6 meters in order not to disturb the spread of the material together.
- In cases where the application time will exceed 30 minutes, it is recommended to apply two coats.
- Continuous application is required to prevent the formation of cold joints in large areas.

### WARNINGS

- Do not apply in weather conditions below +5°C and above +30°C.
- Avoid application in areas that are frozen, in areas with the risk of freezing within 24 hours, in conditions that may prevent the application or that may damage the surface after application.
- After application, wait at least 3 days before coating the surface.
- Do not apply on wet surfaces exposed to moisture.
- In areas with underfloor heating, the heating system should be turned off 24 hours before the leveling screed application and turned on 72 hours after the application.

### CONSUMPTION

- 8,00-9,00 kg/m<sup>2</sup> (for 1 cm thickness)

### EQUIPMENT CLEANING

- Equipment should be cleaned with solvent immediately after use. Cured material can only be cleaned by mechanical means.

### STORAGE AND SHELF LIFE

- Should be stored in its unopened original packaging, in a closed, moisture-free, dry environment, protected from frost. Products should not be overloaded in a way to damage their packaging.
- Shelf life under appropriate storage conditions is 12 months from the date of production.

### SAFETY PRECAUTIONS

- During use and storage, work clothes, protective gloves and masks should be used in accordance with the rules of Occupational and Labor Health. Eye, mouth and skin contact should be avoided and the contact area should be washed with plenty of water.
- In more dangerous situations or in case of ingestion of the product, a specialist doctor should be consulted immediately. Food and beverages should not be brought into the application areas. Keep out of the reach of children. For detailed information, the Safety Data Sheet (SDS) should be consulted.

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