
GEV-EMICODE EC 1 PLUS very low emission

# EPS lightbeton 360

**Quick hardening, light weight compound based on EPS granules, cement and additives. For installation of concrete-like floor screed with top layer of floor leveller.**

- **Light screeding compound**
- **Suitable for wooden joist substrates**
- **Low dust product**

Use EPS lightbeton 360 for concreting on surface with demands to low weight due to handling and/ or structural reasons. E.g. refurbishment of bathroom floors in multi-storey buildings with weakly dimensioned concrete decks, wooden joists and similar. EPS lightbeton 360 is a dry mortar, ready to use after mixing with water. It is easy to prepare and distribute on substrate.

EPS lightbeton 360 is supplied in 50 liters bag.

Application areas
- ☑ Floor
- ☑ Wetroom
- ☑ Indoors

Substrate
- ☑ Minimal shrinkage/ deformation
- ☑ Concrete floor
- ☑ Wooden joists

Layer thickness
- ☑ Min. 15 mm at bonded screed
- ☑ Min. 30 mm at floating screed

## Product description

Extra light screeding compound in powder form. Based on cement, EPS granules and additives.

## Technical data

| | |
|---|---|
| Density after hardening: | 410 - 440 kg/m$^3$ |
| Density - powder form: | 360 kg/m$^3$ |
| Compression strength without top coating (central) | 3.0 MPa |
| Compression strength with top coating (central) | 5.8 MPa |
| Thermal conductivity (λ): | 0.1322 W/(mK) |
| Fire classification: | A2-s1,d0 |
| Pot life: | approx. 1 hour |
| Setting time at 18°C for light foot traffic: | 20-30 hours |
| Setting time at 18°C for laying compound: | 20-30 hours |
| Recommended working temperature: | 10-25°C |
| Min. layer thickness: | |
| (floating screed) | min. 30 mm |
| (bonded screed) | min. 15 mm |
| Comsumption: 0.36 kg +/- 5% powder/m$^2$/mm layer thickness | |

## Application areas

Use product for prefilling at high build floor screeds or building of concrete-like finished flooring on wooden joists constructions with top layer of mira floor levellers. See special brochure.

## Type of substrate

EPS lightbeton 360 can be applied on substrate of concrete or lightweight boards with moderat movement and deformation.

## Pre-treatment of substrate

The substrate shall be free from dust and dirt. Prime substrate with 4180 primer when EPS lightbeton 360 is applied as bonded screed on substrate.

## Application

Mix 50 litres powder with 7-8,5 liters clean water dependent on wether the product is applied manually with or without fall or by pumping.

Screeding compound can be applied for approx. 1 hour after mixing. Only pour compound on areas which can be finished within 1 hour.

Compound is distributed evenly on floor and levelled by bar/straight-edge in layers of min. 15 mm with bonded screed on substrate or min. 30 mm as floating screed.

Immediately thereafter the compound is compressed and surface smoothed to ensure a strong and coherent surface.

Ensure that newly poured compound is protected against drying out by avoiding hight ambient temperature, drafts and similar e.g. by covering with plastic wrap.

Dependent on room temperature and relative humidity screed is ready for light foot traffic, top coat of leveller and installation of ceramic tiles after 20-30 hours.

## Working environment

The product contains cement. Working environment rules for cement must be followed.

EPS lightbeton 360 is based on white cement containing a natural low content of chrome (VI) therefore the limiting value of max. 2 mg/kg is always kept.

EPS lightbeton 360 is a low dust product.

Reference to product safety data sheet.

## Packing

50 litres plastic strengthened bags.

## Storage and transportation

Transport and store dry. Product will maintain technical specifications minimum 12 months from production date in unopened packing. Can be used hereafter; technical properties may, however, change; e.g. setting time may be extended.



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