



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:	B _{fl} -s1
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
Consumption: 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 moderate 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 kg powder with 7-8,5 liters clean water dependent on whether 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 high 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 kg 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.

See www.mira.eu.com for information on mira levelling compounds, screeds, waterproofing, tile adhesives, tile fixing and grouting