

# Floor Leveling Compound 3115

Fußboden-Nivelliermasse 3115

**Very low-emission, self-leveling,  
high-strength, low-tension, for interior use,  
with Perimeter Insulation Strip SK 3018**

## Properties

High-strength, self-leveling smoothing and leveling compound. Very low-emission and low-tension, and particularly easy to apply. Can also be used on floor surfaces with floor heating and for chair caster loads.

## Field of application

For producing level, interior floor surfaces for subsequent floor covering work with Design Floor 3055, carpeted floors, and PVC and CV coverings as well as in the system build-up with Floortec 2K-Mineralico SL 470. The filled floor surfaces can also be sealed with Floortec PU Floor Sealer ELF 847, Floortec 2K-EP Floor Sealer 848 or Floortec 2K-Purolid F 878.

Can be used on substrates made of, e.g., concrete, cement screed, calcium sulfate-based screed (anhydrite floating screed, gypsum screed) as well as ceramic coverings and terazzo.

## Material description

**Color shade:** gray

**Base material:** modified special cement

**Bulk density:** approx.  
1.20 g/cm<sup>3</sup>

**Layer thicknesses:**  
At least 1 mm up to a maximum of 10 mm

**Packaging:** 25 kg/bag

## Use

### Water addition

Approx. 5.5 liters of water per 25 kg (per bag).

### Mixing

Always mix the entire contents of a package. Pour a corresponding amount of cold, clear water into a clean container, add Floor Leveling Compound 3115 while stirring vigorously, and mix to a lump-free, liquid mass. Make sure that the package is completely empty. For mixing, we recommend using a high-performance mixer (at least 900 watts) with approx. 600 rpm with a right-handed spiral stirring rod (plaster stirring rod). After a curing time of approx. 3 minutes, thoroughly mix the freshly mixed material again.

## Application

Pour the Floor Leveling Compound 3115 onto the pre-treated substrate and spread it uniformly using the Rubber Notched Squeegee 1324 or the Serrated Blade Spreading Trowel 1294 with inserted Double Serrated Blade 1326, notch size TKB R3 (approx. 2 mm layer thickness) or notch size TKB R2 (approx. 3 mm layer thickness). Subsequently re-level using a de-aerating roller. Apply the desired layer thickness preferably in one operation.

For multi-layered application, allow the first filling to dry for at least 24 hours (at +20 °C, 65% relative humidity) and prime with Multi Primer LF 3084 diluted 1:1 with water. Allow the prime coat to flash off for approx. 10 minutes. The prime coat must have dried sufficiently to be transparent.

With multi-layered filling, make sure that the second layer is executed more thinly than the first in order to avoid tension between the filling layers.

Floor Leveling Compound 3115 can also be applied with suitable screw conveyor devices and mixing pumps. Set up Perimeter Insulation Strip SK 3018 on all vertical construction components.

**Pay attention to the layer thicknesses**

The specified maximum layer thickness must not be exceeded, even with a two-layer filling.

For chair casters, suitable from > 1.0 mm layer thickness.

Apply at least a 2 mm layer thickness under vapor-tight coverings with full-surface adhesion. Apply in approx. 3 mm layer thickness in the system build-up using Floortec 2K-Mineralico SL 470.

For subsequent sealings with Floortec sealers, apply in at least 2 mm layer thickness in living areas and in at least 3 mm layer thickness in commercially used areas.

**Compatibility**

Do not mix with other types of materials.

**Consumption (without additives)**

Approx. 1.5 kg/m<sup>2</sup> per mm of layer thickness. Determine precise consumption quantities with a test application on the object.

**Application temperature**

Do not apply at an air and object temperature below +5 °C.

**Pot life (at +20 °C)**

The prepared filling compound remains workable for approx. 30 minutes.

Do not stir, re-dilute, or rework already solidified material or material that is solidifying.

**Tool cleaning**

Clean tools immediately after use with water.

**Drying (+20 °C, 65% relative humidity)**

Can be walked on after approx. 3 hours. Ready for floor laying or further sealing (with a 5 mm layer thickness) after approx. 24 hours.

For an additional 5 mm layer thickness, allow for a longer drying time of at least 24 hours.

Additional system build-up with Floortec 2K-Mineralico SL 470 (with a 3 mm layer thickness) after 24 hours at the earliest.

Allow for a longer drying time if the temperature is lower and/or the humidity is higher.

**Storage**

Store dry. Apply material within 6 months.

**Declaration**

**Product code**  
ZP1.

The information in the current Safety Data Sheet is applicable.

**Perimeter Insulation Strip SK 3018****Properties**

Self-adhesive perimeter insulation strips made of high-quality PE foam.

**Field of application**

As a spacer to wall surfaces during leveling and filling work. Check compatibility and adhesion to the substrate, especially for finished surfaces, in advance by conducting a sample bond.

**Material description**

**Color shade:** white

**Base material:** polyethylene

**Thickness:** 5 mm

**Height:** 50 mm

**Packaging:** 25 m roll

## Coating build-up

### Substrate preparation

The substrate must be solid, permanently dry, clean, load-bearing, and free from efflorescences, sintered layers, separating agents, corrosive components, or other composite-damaging intermediate layers. The substrate must always comply with the relevant technical construction standards. The substrate must be protected against rising moisture. Bituminous coatings, water-swellaable layers, and other soft layers must be completely removed.

Check residues from, e.g., old primers, adhesives and filler materials for their suitability, load-bearing capacity, and adhesive properties. Remove non-load-bearing layers by, e.g., milling, sanding, or abrasive blasting. Sand down and thoroughly vacuum smooth or dense substrates. Mechanically sand down and vacuum calcium sulfate-based screeds with grain size 16 sandpaper. Remove form oil and cement slurries from concrete surfaces and roughen vacuum concrete. Where necessary, deep clean terrazzo and ceramic

floor coverings with e.g., Deep Cleaner R 3263, diluted 1:5 with water. For subsequent laying of floor coverings, cement screeds must exhibit a residual moisture of  $\leq 2.0$  CM-% (with floor heating,  $\leq 1.8$  CM-%), calcium sulfate-bound screeds, a residual moisture of  $\leq 0.5$  CM-% (with floor heating,  $\leq 0.3$  CM-%). See also VOB Part C, DIN 18365, Floor Covering Work. The substrate condition must be matched to the respective floor covering and should be taken from the product information of the covering manufacturer.

## Filling floor surfaces

Substrate	Priming <sup>2)</sup>	Pre-filling	Filling <sup>4)</sup>
Concrete, cement screed	Multi Primer LF 3084, 1:3 diluted with water <sup>3)</sup>	Depending on the requirements, Floor Filler 3145	Floor Leveling Compound 3115
Calcium sulfate-based screed (anhydrite floating screed, gypsum screed)	Multi Primer LF 3084, 1:1 diluted with water <sup>3)</sup>		
Smooth and impervious concrete surfaces	Special Primer LF 3085, undiluted		
Terrazzo and ceramic floor coverings <sup>1)</sup>			

<sup>1)</sup> As substrate only suitable for subsequent floor covering work with Design Floor 3055, carpeted flooring, and PVC and CV coverings.

<sup>2)</sup> Observe the individual drying times of the prime coats.

<sup>3)</sup> Prime twice with Multi Primer LF 3084 in the event of high substrate absorbency.

<sup>4)</sup> Carry out filling with leveling compound as soon as the floor can be walked on, if the Floor Filler 3145 is still moist, or after 24 hours drying and intermediate priming with Multi Primer LF 3084, diluted 1:1 with water.

**Further build-up****Sanding surfaces**

For the further build-up with the following systems or coatings, we recommend sanding and vacuuming the filled surfaces beforehand.

**With Design Floor 3055 or other floor coverings**

The laying of PVC, CV, and textile floor coverings or also the gluing of Design Floor Covering 3055 is made after the filling coat has dried.

**In the system with Floortec 2K-Mineralico SL 470**

The further system build-up with Floortec 2K-Mineralico SL 470 is made after the filling coat has dried.

**In system build-up with Floortec Sealers**

If the surfaces are only to be used for foot traffic, the filled floor surfaces can also be sealed with Floortec PU Floor Sealer ELF 847, Floortec 2K-EP Floor Sealer 848 or Floortec 2K-Purolid F 878.

**Notes****Protect filling layers**

Protect filling layers during the curing time against drafts or direct solar radiation.

**Data sheets of the Federal Association of Screeds and Coverings**

Comply with the information in the data sheets of the Federal Association of Screeds and Floor Coverings, Troisdorf (BEB), "Evaluating and Preparing Substrates" (2008) and "Preparation for Laying Surface Coverings" (2011).

**Follow laying instructions**

During use and application, the production information and laying instructions of the floor covering manufacturers should be followed. In particular, the specific substrate requirements and adhesive compatibilities should be taken into consideration.

**Hairline cracks and pores**

Depending on the substrate and application conditions, hairline cracks and pores cannot be completely ruled out.

**Further information**

Follow the instructions in the data sheets of the products used.

**Remark**

This data sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

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