

# Multi-use levelling compound

# USP 32

## Fields of application

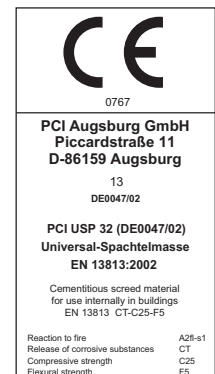
- For indoor use.
- Cementitious leveller for smoothing and levelling floors prior to the installation of
  - textile flooring and resilient flooring,
  - parquet flooring or laminate flooring to be glued.
- For producing smooth and level surfaces.
- For levelling
  - cementitious substrates
  - calcium sulphate screeds
  - magnesite screeds
  - mastic asphalt screeds
  - non-absorbent substrates.
- For layer thickness from 0.5 to 15 mm; for parquet flooring or laminate flooring to be glued from 2 to 15 mm; on mastic asphalt screeds from 2 to 5 mm.
- Suitable for
  - underfloor heating
  - exposure to chair castors at a layer thickness of min. 1 mm.

## Features and benefits

- Very low emissions PLUS, GEV-EMICODE EC 1 PLUS.
- Awarded the environmental label "Blauer Engel" due to low emissions (RAL UZ 113).
- Low in chromates; Giscodex ZP 1.
- Self levelling, can be applied by surface scraper in upright position.
- Pumpable.
- Walkable after approx. 3 hours.

## Packaging size

- 25 kg heavy-duty PE lined paper bag item no. 4202/1



[www.blauer-engel.de/uz113](http://www.blauer-engel.de/uz113)



## Technical data

### Material

Material base	special cement, mineral fillers, redispersible polymeric powder, additives
Components	single component
Consistency	powder
Colour	grey
Shelf life	min. 6 months; store dry, no permanent storage over +30°C. Tightly seal open units and use up within a short period of time.

### Application

Consumption	approx. 1.6 kg of powder per m <sup>2</sup> and mm layer thickness
Layer thickness	0.5 to 15 mm; from 2 to 15 mm for parquet flooring or laminate flooring to be glued; from 2 to 5 mm on mastic asphalt screeds
Ambient and substrate temperature	+10°C to +25°C
Mixing ratio	25 kg of PCI USP 32 + 6 to 6.5 l of water For partial quantities: 1 kg of PCI USP 32 + 240 to 260 ml of water
Consistency (after mixing)	very fluid
Processing time*	approx. 30 minutes
Curing time*	
– walkable after	approx. 3 hours
– grindable after	approx. 1 day
– ready to take further coverings after	approx. 1 day at 2 mm layer thickness
Suitable for gluing parquet flooring or laminate flooring	from 2 mm minimum layer thickness
Suitable for exposure to chair castors	from 1 mm minimum layer thickness

\* At +23°C and 50% relative humidity. Higher temperatures reduce, lower temperatures increase the times given. Higher humidity increases the times given.

## Preparation of substrate

- The requirements in accordance with the German standards DIN 18365 and/or DIN 18356 apply.
- The substrate must be clean, dry, structurally sound, able to bear weight, free from oil and grease, old paint and other residues which could impair adhesion.
- Remove heavy contamination and residues and/or surfaces which could impair adhesion by mechanical means (shotblasting, grinding). Fill spalled areas and holes with PCI STL 39.
- Fill existing cracks with suitable PCI cast resins.
- PCI USP 32 must be prevented from spreading into perimeter joints by taking suitable measures, e.g. perimeter insulation strips.
- Prior to gluing parquet flooring or laminate flooring: Grind down and remove adhesive residues on the substrate, apply primer, then apply a fairing coat/floor leveller with PCI USP 32.
- The tensile strength at the surface of the prepared area must not fall below 1.0 N/mm<sup>2</sup> on average when parquet flooring or laminate flooring is to be glued.

## Priming

- Prime substrates with PCI VG 2 multi-use primer. Follow drying times of primer! See technical data sheets for detailed information.

## Application procedure of PCI USP 32

1 Fill cool gauging water in a clean mixing bucket, add PCI USP 32 and mix for at least 3 minutes until lump free using a suitable paddle (e.g. from

Collomix).

2 Pour PCI USP 32 onto the cured primer and spread to the required layer thickness using a trowel or pin leveller.

De-aerate with a spiked roller during the installation.

## Please note

- In case of increased residual moisture in cementitious substrates use PCI VG 5 PU primer or PCI Epoxigrund 390 and/or PCI Epoxigrund Rapid and contact the PCI technical help-line.
- Never add water or moist PCI USP 32 to reconstitute a mortar mix which has already begun to set.
- It is important to adhere to the indicated amount of gauging water when mixing PCI USP 32. **Additives are not allowed.**
- The amount of gauging water is to be reduced to 6 litres in case of an

increased layer thickness.

- The thicker the layer the longer the waiting time until the substrate can be covered.
- A second layer - if necessary - should be applied to the first layer while still moist. If the first layer has already cured prime with PCI VG 2 multi-use primer.
- **The minimum layer thickness must not fall below 2 mm all over the entire surface when gluing parquet flooring or laminate flooring to PCI USP 32.**

- A maximum layer thickness of 5 mm must not be exceeded on mastic asphalt screeds.
- Suitable tools are available from e.g. Collomix GmbH, Horchstraße 2, 85080 Gaimersheim/Germany, [www.collomix.de](http://www.collomix.de).
- Clean tools, machinery and mixing equipment with water immediately after use; the cured product can no longer be removed with water.

## Information on the safe use

Contains cement: Causes serious eye damage. Causes skin irritation. Keep out of reach of children. Wear protective gloves (e.g. cotton gloves soaked in nitrile) and eye/face protection as well as long trousers. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical

advice/attention. IF ON SKIN: Wash with plenty of soap and water and put skin cream on (pH value approx. 5.5). The longer fresh material remains on your skin, the greater the risk of serious skin damage. IF SKIN IRRITATION OCCURS: Get medical advice/attention. Keep children away from fresh material. The product is non-flammable. No special fire precautions are therefore

required. Provide for proper ventilation during and after processing. When using, do not eat, drink or smoke. Clean tools with water immediately after use. Store cool and dry. Opened containers must be closed airtight immediately. Water hazard class: 1 (self-rating) Giscode ZP 1

*For further information: see PCI Material Safety Data Sheet.*

## Declaration of Performance

The Declaration of Performance can be downloaded as pdf file under [www.pci-augsburg.eu/dop](http://www.pci-augsburg.eu/dop).

## Disposal of product residues

Do not empty product/residues of material into drains, bodies of water or ground. Mix powder product residues with water and allow to cure. Cured material residues can be disposed of as

household-like commercial waste / construction waste. The European Waste Codes (EWC) can be requested from the manufacturer.

## Disposal of emptied PCI sales packaging

Only completely emptied containers should be returned for recycling. PCI participates in an area-wide waste disposal system for sales packaging completely emptied. DSD – Duales System Deutschland (Dual System

Germany, contract number 1357509) is our partner for waste disposal. PCI sales packaging completely emptied can be disposed of via DSD in accordance with the symbol printed on the packaging.

## Services for architects and designers

Consultations at the workplace, supplementary information, testing certificates and sample descriptions can

be requested from professional advisors and at the company headquarters.

The working conditions on construction sites and the areas of application of our products are highly diverse. In the technical data sheets, we can only give general instructions for the use of our products. These are in accordance with the information currently available to us. Architects, engineers and the users of our products are under an obligation to verify the suitability of our products and the feasibility of using them for their specific applications. For applications not explicitly referred to under "Area of applications" in the technical data sheet, architects, engineers and users of our products are under an obligation to obtain technical advice from PCI. In the event that the product is used outside the scope of applications defined in the technical data sheet without obtaining the advice of PCI, the user of the product will be liable for any loss or damage arising as a result of the use of the product. All the descriptions, drawings, photographs, data, conditions, weights, etc. stated in the technical data sheet may be changed without notice and do not represent the agreed properties of the product. Recipients of our products are under an obligation to comply with any proprietary rights and any applicable laws and regulations under their own responsibility. If trade names used by other companies are referred to in this technical data sheet, such references do not represent a recommendation for the use of such products and do not exclude the use of other comparable products. The information which we provide only describes the characteristics of our products and services and does not represent any guarantee. A guarantee of specific properties or the fitness of the product for a specific purpose cannot be derived from the information which we provide. We will not be liable for any incomplete or incorrect information in our information material except in the case of wilful act or omission or gross negligence. This disclaimer does not affect any claims under the Produkthaftungsgesetz (Product Liability Act).



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certified quality  
management system

**PCI USP 32,**  
 Last revised in September 2019  
 (German edition March 2019)  
 This version will become invalid immediately upon  
 the publication of a later version;  
 you will always find the latest version on the  
 Internet at [www.pci-augsburg.de](http://www.pci-augsburg.de).