

Powder parquet adhesive

PAR 362

Fields of application

- Powder adhesive for floors in the interior.
- For gluing
 - laminated on-edge parquet to EN 14 761
 - solid parquet elements to EN 13 226
 - solid lamparquet products to EN 13 227
 - solid wood overlay flooring

Features and benefits

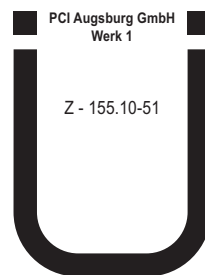
- Very low emissions PLUS, GEV-EMICODE EC 1 PLUS.
- Awarded the German eco label "Blauer Engel" due to low emissions (RAL UZ 113).
- Low in chromates; Giscode ZP 1.
- Little water required for mixing.
- Rapid crystalline water binding, controlled swelling effect on the parquet wood.

Packaging size

- 4 kg PE lined bag
stock no. 4338/7

- elements to EN 13 228
 - mosaic parquet elements to EN 13 488
 - multi-layer parquet elements to EN 13 489.
- Suitable for underfloor heating.
- Suitable for gluing PCI DU 903 FH sound reducing underlay.

- Fast setting.
- High adhesive strength.
- Hard adhesive bed with plasto-elastic properties.
- Suitable for levelling minor irregularities in the surface.
- Suitable as a filling base coat on wooden floors.
- Insensitive to frost during transport and storage.



Emissionsgeprüftes Bauprodukt
nach DIBt-Grundsätzen



Technical data

Material

Material base	redispersible polymer powder, special cement, mineral fillers, additives
Components	single component
Consistency	powder
Colour	beige-caramel
Density of fresh mortar	1.24 g/cm ³
Bulk density	0.74 g/cm ³
Shelf life	min. 9 months; store dry, no permanent storage over +30°C. Seal open bags tightly and use up within a short time.

Application

Mixing ratio	4 kg of PCI PAR 362 + 1.6 l of water Partial quantities: 1 kg of PCI PAR 362 + 0.4 l of water	
Consistency after mixing	pasty	
Application method	one-sided application to the substrate, notch size B 3, B 11 or B 12 to TKB depending on type of parquet flooring	
Consumption (depending on substrate condition and underside of parquet flooring)	powder	mixed material
– mosaic parquet flooring (8 mm thick, up to 40 cm long), notch size B 3 to TKB	approx. 570 - 720 g/m ²	approx. 800 - 1000 g/m ²
- strip flooring, laminated on-edge parquet flooring, multi-ply parquet elements up to 100 cm long, 10 mm solid parquet (lamparquet), notch size B 11 to TKB	approx. 650 - 800 g/m ²	approx. 900 - 1100 g/m ²
– multi-ply parquet flooring beyond 100 cm length and as floorboards, notch size B 12 to TKB	approx. 850 - 1000 g/m ²	approx. 1200 - 1400 g/m ²
<i>Consumption might be higher with rough substrates in comparison to smooth substrates. The same applies to the underside of parquet flooring.</i>		
Ambient, substrate and material temperature	+15°C to +25°C, ≤ 75% rel. humidity	
Processing time*	approx. 45 minutes	
Installation time*	up to approx. 15 minutes after adhesive is applied	
Able to bear weight after*	approx. 12 hours	
Grindable after*	approx. 12 hours (when reaching the standard moisture level of the wood, depending on room climate, type and thickness of parquet flooring)	
Final adhesive strength after*	approx. 1 day	

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

Suitable substrates

■ Absorbent concrete floors, cement screeds and calcium sulphate screeds.	multi-use levellers, PCI SSP 33 fast setting leveller, PCI HSP 34 timber floor leveller, PCI STL 39 <i>light</i> non-sag fairing coat, PCI FES 37 flowable screed.	above mentioned substrates suitable for the intended use.
■ Mastic asphalt screeds.		
■ Particle boards.		
■ Suitable PCI floor levellers: PCI USP 32 or PCI USP 32 S	■ Sound reducing underlay PCI DU 903 FH glued with PCI PAR 362 to the	

Preparation of substrate

- The requirements in accordance with the German standard DIN 18 356 (Parkettarbeiten - parquet works) apply.
- The substrate must be ready to take further coverings, clean, dry, crack free, structurally sound, level and able to bear weight. It must be free from residues which could impair adhesion. The substrate must be free from any sand layer.
- Rough-grind substrate if necessary, thoroughly vacuum-clean with a high-speed industrial vacuum cleaner, prime and smooth with the suitable PCI products (see "Suitable substrates").
- Calcium sulphate screeds must be rough-ground and vacuum-cleaned. Residues of old paint, adhesive or levelling compounds as well as loose layers on the surface must be ground down and thoroughly vacuum-cleaned.
- Mastic asphalt screeds must have a structurally sound surface and be scattered with sand.
- Particle boards must be glued tongue and groove.
- Minor irregularities in the substrate can be levelled with PCI PAR 362 before laying the parquet flooring.

Base coat on wooden floors

- Joints and irregularities in unfinished or rough-ground wooden floors can be filled and smoothed in one work step with PCI PAR 362 before levelling the substrate with PCI HSP 34 wooden floor leveller.
- Apply mixed PCI PAR 362 to the substrate as a scratch coat using the straight edge of the trowel or apply a flat-surface layer to a thickness of approx. 2 mm; the existing joints are thus filled at the same time. Curing time at +23°C and 50% relative humidity is approx. 45 - 50 minutes if applied as a scratch coat, approx. 2 - 3 hours if applied to a thickness of approx. 1 - 2 mm.
- The cured base coat can be directly levelled with PCI HSP 34 followed by glueing parquet flooring, laminate flooring, textile flooring or resilient flooring.

Priming with parquet flooring directly glued

- On concrete floors and cement screeds: apply one coat of PCI VG 2 multi-use primer, diluted 1 : 2 with water. Use PCI VG 5 PU primer, PCI Epoxigrund 390 or PCI Epoxigrund Rapid in case of increased residual moisture of cementitious substrates and contact the PCI technical help-line.
- On calcium sulphate screeds: Apply one coat of PCI VG 2 multi-use primer, diluted 1 : 2 with water.
- On mastic asphalt screeds: No primer required if mastic asphalt screeds have a structurally sound surface and are scattered with silica sand over the entire surface. If mastic asphalt screeds are not scattered with silica sand over the entire surface: Apply one coat of PCI VG 2, diluted 1 : 1 with water. Alternatively prime with PCI Epoxigrund 390 or PCI Epoxigrund Rapid or with PCI VG 5 PU primer and scatter silica sand over the entire primed surface while still wet, or apply a coat of PCI VG 2 to the cured PU primer or epoxy primer.
- On particle boards: No primer required.
- **See technical data sheets for curing times and general information on the application of primers!**

Application procedure of PCI PAR 362

- 1 Fill cool gauging water in a clean mixing bucket, add PCI PAR 362 and mix for at least 3 minutes until lump free using a suitable paddle (e.g. from Collomix).
- 2 Using a suitable notched trowel, apply PCI PAR 362 evenly to the substrate covering an area of up to 2 m² depending on the type of parquet. Lay parquet elements in the adhesive bed immediately and firmly press down. Ensure good adhesive transfer to the underside of the parquet flooring during the installation.
- 3 Clean tools with water immediately after use. When the product has cured it can only be removed by mechanical scraping.
- **Installation of PCI DU 903 FH sound reducing underlay:** Cut underlay to room size and glue to the (prepared) level substrate using PCI PAR 362. Lay underlay crosswise to the direction of the parquet flooring. Use notch sizes B 3 or B 11 to TKB depending on the substrate condition. The parquet flooring can be glued to the sound reducing underlay after approx. 1 day using PCI PAR 362 and notch size B 3, B 11 or B 12 to TKB depending on the type of parquet flooring. Lay parquet flooring crosswise to the underlay.

Application procedure of PCI PAR 362

- **The special installation instructions issued by the flooring manufacturers must be strictly followed.**



notch size B 3



notch size B 11



notch size B 12

Please note

- Oak parquet flooring can be glued in any size and dimension.
- An absorbent substrate is absolutely necessary for gluing 8 mm solid parquet flooring in parallel pattern with PCI PAR 362. A suitable absorbent leveller (e.g. PCI USP 32) is to be applied to a thickness of at least 2 mm in case of non-absorbent substrates such as mastic asphalt screeds or substrates primed with polyurethane primers or epoxy resin primers.
- Use PCI PAR 365 SMP parquet adhesive for exotic woods.
- Weigh down bigger parquet elements during the setting phase.
- Please contact the parquet manufacturer to check if multi-layered, unfinished parquet elements and prefinished parquet flooring are suitable for full-surface glueing.
- The parquet flooring to be glued must be acclimatised. The given moisture content of the wood of 7 - 11% must be followed. A moisture content of 9% with solid parquet flooring and 8% with multi-layer parquet flooring has proven to be recommended in Central Europe.
- The required amount of gauging water must be adhered to when mixing PCI PAR 362!
- Additives are not allowed.
- Never add water or powder to reconstitute a PCI PAR 362 mix which has already begun to set.
- Following the required amounts of gauging water and notch sizes, the trowel-ridge formation is set for an optimum coverage of the underside of the parquet flooring. It can be an advantage with large-size floorboards (notch size B 11 and B 12) to reduce the amount of gauging water to approx. 1.45 litres per 4 kg of powder to obtain a firmer trowel-ridge formation.
- Be sure that mixing buckets are clean! Adhesive residues from previous mixing processes accelerate the curing process of material newly mixed.
- Remove stains from the adhesive immediately using a damp cloth.
- Be sure that edge joints are wide enough!
- It is not allowed to put underfloor heating systems into operation during and up to 7 days after the installation.

Information on the safe use

This product contains cement. Contact with moisture or gauging water sets off an alkaline reaction which may cause skin irritation and/or caustic burns to mucous membranes (e.g. eyes). Wear suitable gloves. Keep out of reach of

children. Provide for proper ventilation during and after processing. When using, do not eat, drink or smoke. If in eyes or on skin: rinse immediately with plenty of water. If the eye irritation does not ease off within a few minutes get

medical advice.

Low in chromates.

Giscode ZP 1

For further information: see PCI Material Safety Data Sheet.

Disposal of product residues

Do not empty product/residues of material into drains, bodies of water or ground. Mix residues of powder with

water and allow to cure. Cured material residues can be disposed of as construction waste.

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.



PCI Augsburg GmbH

Piccardstr. 11
86159 Augsburg
P.O.B. 10 22 47
86012 Augsburg
Germany
Tel. +49 (821) 59 01-0
Fax +49 (821) 59 01-372
www.pci-augsburg.de



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