

# Non-sag fairing coat *light*

# STL 39

## Fields of application

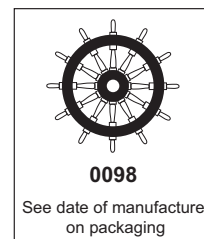
- For indoor use.
- Prior to the installation of
  - textile flooring and resilient flooring
  - parquet flooring or laminate flooring to be glued.
- Cementitious fairing coat for levelling hollows, holes, irregular substrates and for producing inclined surfaces on
  - cementitious substrates
  - calcium sulphate screeds
  - magnesite screeds
  - mastic asphalt screeds
  - particle boards
  - wooden floors
- ceramic tiles
- coatings.
- For repairing treads and risers.
- For layer thickness from 0.5 to 50 mm.
- Suitable for
  - underfloor heating
  - exposure to chair castors (from 1 mm minimum layer thickness).
- Suitable as filling base coat on timber floors, particle boards and ceramic tiles when adding PCI VG 2 multi-use primer during the mixing process.

## Features and benefits

- Very low emissions PLUS, GEV-EMICODE EC 1 PLUS R.
- Awarded the environmental label "Blauer Engel" due to low emissions (RAL UZ 113).
- Low in chromates; Giscode ZP 1.
- Creamy consistency, non-sag properties.
- Fast curing, grindable and able to be covered after approx. 1 hour.
- High yield, low consumption.

## Packaging size

- 20 kg heavy duty PE lined paper bag stock no. 4220/5
- 4 kg PE lined bag stock no. 4221/2



## Technical data

### Material

Material base	special cement, mineral fillers, redispersible polymer powder, additives
Components	single component
Consistency	powder
Colour	grey
Shelf life	min. 6 months; store dry, no permanent storage over +30°C. Be sure that open sacks are tightly sealed, use up within a short period.

### Application

Consumption	approx. 1.2 kg of powder per m <sup>2</sup> and mm layer thickness
Layer thickness	0.5 to 50 mm
Ambient and substrate temperature	+10°C to +25°C
Mixing ratio	20 kg of PCI STL 39 + approx. 6.2 l of water 4 kg of PCI STL 39 + approx. 1.25 l of water For partial quantities: 1 kg of PCI STL 39 + approx. 310 ml of water for mechanical mixing and/or 360 ml for manual mixing
Consistency	creamy
Processing time*	approx. 15 minutes
Curing time*	
– walkable after	approx. 45 minutes
– grindable after	approx. 1 hour
– ready to take vapour-permeable flooring after	approx. 1 hour
– ready to take parquet flooring or laminate flooring after	approx. 2 hours
– ready to take vapour-inhibiting flooring after	approx. 2 hours
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 18 365 and/or DIN 18 356 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 existing cracks with suitable PCI cast resins.
- The tensile strength of the prepared surface must not fall below an average of 1.0 N/mm<sup>2</sup> when subsequently gluing parquet flooring or laminate flooring.

## Priming

- Prime substrates with PCI VG 2 multi-use primer. Follow drying times of primer! See technical data sheets for detailed information.
- PCI STL 39 can be applied to cementitious substrates without priming.

## Application procedure of PCI STL 39

1 Fill cold gauging water in a clean mixing bucket, add PCI STL 39 and mix until lump free using a suitable paddle (e.g. from Collomix). Small quantities

can also be mixed by hand, e.g. using a trowel.

2 Apply PCI STL 39 to the dry primer and spread to the required layer

thickness. **It is not necessary to add aggregates to the fairing coat within the given range of layer thickness!**

## Please note

- In case of increased residual moisture in cementitious substrates use PCI VG 5 PU primer or PCI Epoxigrund 390 or PCI Epoxigrund Rapid and contact the PCI technical help-line.
- Only mix as much material as can be applied within the given processing time.
- Never add water or moist PCI STL 39 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 STL 39. **Additives are not allowed.**
- Manual mixing requires a higher amount of water compared to mechanical mixing.
- If PCI STL 39 is to be covered with a cementitious floor leveller it must be

applied while still moist. Prime with PCI VG 2 multi-use primer if the first layer has already cured.

- 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; when the product has cured it can no longer be removed with water.
- **PCI STL 39 mixed with PCI VG 2 can be used as fast setting, flexible and filling base coat.**  
Field of application: For filling joints or small voids and simultaneously priming or smoothing wooden floors, particle boards and ceramic tiles before applying floor levellers and

subsequently gluing textile floorings and resilient floorings.

Mixing ratio: As gauging water for PCI STL 39: dilute 1 part of PCI VG 2 with 2 parts of water. Instead of gauging water, fill mixing water in a clean bucket, add PCI STL 39 and mix until lump free.

Processing: Apply mixed material to the prepared substrate using a trowel, work into joints or voids and scrape off right away to produce a smooth surface (layer thickness up to 1 mm). Be sure that joints or voids are filled flush with the surface. Processing time approx. 12 minutes (at +23°C and 50% rel. humidity). A floor leveller, e.g. PCI HSP 34, can be applied as soon as the primer coat is walkable (approx. 40 minutes).

## Information on the safe use

PCI STL 39 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. 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). IF SKIN IRRITATION OCCURS:

Get medical advice/attention. The product is non-flammable. No special fire precautions are therefore required.

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 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.



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managementsystem

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