

PCI NANOFLOTT® LIGHT

Light, non-sag flowable adhesive

DESCRIPTION

PCI Nanoflott Light is a light, non-sag flowable adhesive for large format ceramic tiles.

RECOMMENDED FOR

- Indoor and outdoor use
- Floors
- Practically void-free laying of large-format vitrified and fully vitrified tiles; also for coverings such as terracotta or terrazzo tiles.
- Balconies, terraces, underfloor heating as well as industrial areas subject to mechanical stress such as halls, rooms and corridors in industrial buildings, markets, institutional, administration and commercial buildings.
- To level uneven substrates prior to the installation of tiles

FEATURES AND BENEFITS

- **With unique binding agent combination incorporating the Nano technology.**
- **Efficient working for the tiler – replaces the combined buttering floating method,** no backbuttering of tiles necessary.
- **Non sag consistency** also with heavy and large size tiles.
- **High coverage** due to special filler combination.
- **Workable consistency,** the bedding mortar can be easily applied with the notched trowel.
- **Good curing properties,** even at low temperatures.
- **Flexible,** compensates variations in temperature and tensions in the substrate.
- **Waterproof and frost resistant,** to be used for ground level areas indoors and out.
- **Levelling of uneven substrates and laying of tiles with back patterns** in adhesive bed thicknesses from 1 to 10 mm.
- **Low dust development** when opening the bag, pouring and mixing the material.
- **Very low VOC emission** – GEV EMICODE EC1R.
- **Low in chromates.**
- **Test certificates** - Test according to DIN EN 12004 classification C2E S1 and according to the flexible mortar regulation issued by TU Munich. - Official test certificates*, issued by TU Munich in combination with PCI Seccoral 1K, PCI Seccoral 2K and PCI Lastogum X. * Test principles to issue an official test certificate for waterproofing materials to be applied in liquid condition in combination with tile coverings.

All test certificates are available on www.pci-augsburg.de website.

APPLICATION

1. Place gauging water (see Technical Data/Application) in a clean mixing container. Add **PCI Nanoflott Light** and mix with a suitable electric mixer to achieve a plastic, lump-free consistency.
2. Leave to stand for approx. 3 minutes and re-mix briefly.
3. **Installation of tiles**

Apply a scratch coat using the smooth side of the steel trowel. Comb mortar onto the wet scratch coat with a thin-bed trowel, flowable adhesive trowel or other suitable notched trowel which practically guarantees void-free tiling. Spread only as much adhesive as can be covered with tiles within the open time. Check open time by touching the adhesive bed with your fingertip. Place tiles or stone into the adhesive bed in a twist and slide motion to ensure complete bedding. Check suitability of the used notch size and/or full bedding by picking up a newly laid tile.

For information about application, please obtain a copy of the BASF "Application Guide for **PCI Nanoflott Light**" from your local representative.

TECHNICAL DATA

Material base	Dry mortar mix with special filler combination.	
Consumption/coverage required notch size	Consumption per m ²	20kg PCI Nanoflott Light are sufficient for approx.
6 mm (rectangular notch)	approx. 1.8 kg	11.1 m ²
8 mm (rectangular notch)	approx. 2.4 kg	8.3 m ²
10 mm (rectangular notch)	approx. 2.9 kg	6.9 m ²
6/12 mm (flowable adhesive)	approx. 2.2 kg	9.1 m ²
8/18 mm (flowable adhesive)	approx. 3.3 kg	6.1 m ²
13/20mm (flowable adhesive)	approx. 4.5 kg	4.4 m ²
Mixing ratio	20kg of dry mortar (=1bag) :7.8-9 ltr of water	
Thickness of adhesive bed	from 1mm to 10mm	
Slake time	Approx. 3 min	
Working temperature	+5°C to + 30°C (Substrate temperature)	
Working time*	approx. 3 hours	
Open time*	approx. 30 minutes	
Curing times*	approx. 12 hours	
- walkable after	approx. 12 hours	
- groutable after	approx. 12 hours	
- able to take foot traffic after	approx. 2 days	

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

PCI NANOFLOTT® LIGHT

NOTE

- Do not use at substrate temperatures below +5°C or above +30°C, or in extreme hot and windy conditions.
- Wall tiling should be done with PCI Nanoflight.

GROUTING

Joint width from 1 mm, repellent to water and dirt

- PCI Nanofug
- 3-20 mm joint width, special heavy duty cementitious joint grout
- PCI Durafug NT
- 2 – 20 mm joint width, special chemical-resistant and water-impermeable joint grout
- PCI Durapox NT
- PCI Durapox NT plus

Elastic joints

Movement joints, corner joints (floor/wall) and connection joints (fixtures/tiles, wood/tiles) should be sealed with the elastic joint sealant PCI Silcoferm S.

PACKAGING

Available in 20 kg heavy-duty paper bag with handle.

CLEANING

Clean tools with water immediately after use. Hardened material can only be removed by mechanical means.

SHELF LIFE

Minimum 12 months if stored in a cool and dry location, not over +30°C.

PRECAUTIONS

PCI Nanoflott light contains cement. Avoid contact with eyes and prolonged skin contact. For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Construction Chemicals **Material Safety Data Sheet (MSDS)** from our office or our website.



Nano technology

For years we have been intensively engaged in the research of Nano structures in cementitious products and we have a variety of analytical possibilities and methods. By examining the crystal structures of cement hardening from the very first minute the formation of Nano structures within the cement matrix can be observed and effected. The combination of various kinds of cement and the specific formulation, e.g. with high-quality polymers, light fillers and additives leads to improved and new characteristics of the product. **PCI Augsburg GmbH does not use Nano particles in any of its products.**

APCI-NanoflottL/3/1011

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF**, are responsible for carrying out procedures appropriate to a specific application.

BASF Australia Ltd
A.B.N. 62008437867
Head Office: 11 Stanton Road Seven Hills, NSW 2147
Ph. (02) 8811 4200

Newcastle	(02) 4961 3819
Canberra	(02) 6280 6010
Brisbane	(07) 3633 9900
Townsville	(07) 4774 7344
Melbourne	(03) 9549 0300

Adelaide	(08) 8139 7500
Perth	(08) 9366 2600
Darwin	(08) 8984 3269
Kalgoorlie	0417 772 355

BASF New Zealand Ltd
BASF WEB SITES

Head Office: 45 William Pickering Drive, Albany, Auckland Ph: (09) 414 7233
www.basf-cc.com.au www.basf-cc.co.nz www.meyco.basf.com