



GUARD PA PURE

DS-866-1221

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

GUARD PA PURE

2. MANUFACTURER

LATICRETE Europe S.r.l. a socio unico

Via Paletti, snc, 41051

Castelnuovo Rangone MO, Italy

Telephone: +39 059 535540

Email: info@laticreteurope.com

Website: laticrete.eu

3. PRODUCT DESCRIPTION

GUARD PA PURE is a solid colour, low VOC, low odor, fast-curing two-part polyaspartic aliphatic polyurea coating for both decorative and protective applications.

Self-priming, it may be applied directly to a variety of substrate including concrete, metal/steel and epoxy. The material is applied in single or multiple coats by broom, roller or squeegee. After curing, it provides excellent impact abrasion and chemical resistance for high traffic areas. GUARD PA PURE is UV stable, making it ideal for indoor or outdoor applications requiring quick return to service.

Uses

- Within seamless multi-build LATICRETE® flooring systems including GUARD, BUILD, QUARTZ, FLAKE, FLOW, METALLIC
- Suitable for both interior and exterior applications
- Schools and educational facilities
- Hospitals and healthcare facilities

- Retail spaces and shopping malls
- Showrooms and museums
- Stadium, sports, and event spaces
- Government facilities
- Parking garages

Advantages

- Quick-drying — walkable in just a few hours (3-4 hours)
- 24-hour return to service
- Low VOC
- Excellent abrasion, impact and wear resistance
- UV stable — retains optical clarity of finish, even outdoors
- Low temperature cure (-4°C)
- Excellent chemical and stain resistance
- Resistant to hot-tire pickup
- LATICRETE® GRIP TRACTION ADDITIVE can be introduced as traction additive
- Tolerant to 149°C for random incidental heat contact
- USDA compliant (FDA/CFSAN U.S. Food Code 6.101.11 Surface Characteristics)
- Available in 14 standard colours — custom colours are available upon request

Suitable Substrates

- Concrete
- Steel
- Tile
- Epoxy Coating
- Polyaspartic Coating
- Urethane Cement Systems

Packaging

- 8.75 lt Kit (3,75 lt Part A + 5 lt Part B)
- 15.3 lt Part A
- 20 lt Part B

Available Colours

Light Grey	Light Brown
Medium Grey	Black
Dark Grey	Dark Blue
Light Beige	Bright Green
Sand Beige	Tile Red
Dark Beige	Safety Red
White	Safety Yellow

Custom colours are available upon request.

Approximate Coverage / Consumption

~200 g per coat per m²

Coverage values are approximate and will vary based on surface condition, preparation methods and application technique.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored off the ground in a dry area. High humidity will reduce the shelf life of bagged product.

Limitations

- Material is not intended for areas experiencing significant thermal shock on a continual basis.
- Please note that with all resinous coating systems, exterior full sun environments in warm climates may exhibit above average surface temperatures. This is especially true with darker finishes. As a result, resinous systems may not be ideally suited for exterior pool deck applications.

Cautions

- Thoroughly read all technical data sheets, application guidelines, warranty disclaimers and Safety Data Sheets (SDS) prior to use. Application guides depending on the system employed are available at www.laticrete.eu.
- Wear protective gloves, protective clothing and eye protection.
- Harmful if inhaled. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well ventilated area.
- Causes skin irritation. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.
- Causes serious eye irritation. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Use tape to protect areas not being treated.
- Surface temperature may be elevated if exposed to direct sunlight in hot climates.
- Keep out of reach of children.

4. TECHNICAL DATA



VOC/LEED Product Information

<100 g/L (as intended for use)

- Émissions dans l'air intérieur: A+
- GEV EMICODE EC2

Applicable Standard

- EN 13813

Physical Properties

Classification according to EN 13813:	SR-B2,0-AR0,5-IR10	
Reaction to fire according to EN 13501-1:	B _{fl} -S1	
Basis:	High solids, polyaspartic resins	
Colour:	Refer to <i>Available Colours</i> Section	
Appearance:	Gloss	
	Value	Test Method
Bond Strength:	> 2,5 N/mm ²	EN 13892-8
Wear Resistance:	< 20 µm	EN 13892-4
Impact Resistance:	> 10 Nm	EN ISO 6272-1
Temperature Resistance:	From -30°C to +90°C	

Working Properties

Mix Ratio:	1 Part A : 1 Part B by volume	
% Solids:	94% by weight	
Working Time:	20 - 25 minutes	
Minimum Re-Coat Time:	2 - 3 hours	
Maximum Re-Coat Time:	24 hours	
Foot Traffic:	3 - 4 hours	
Vehicular Traffic:	24 hours	

(Based on 21°C & 50% RH. Changes in ambient conditions may cause times to vary.)

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

Surface Preparation - Concrete

Surfaces to be coated must be free of grease and any other contaminants that may impede adhesion. Always check the surface for any bond inhibitors prior to application. Any repairs must be addressed prior to application and should be repaired in accordance with ICRI standards. Do not use alcohol to clean prior to application.

Concrete must be mechanically profiled to an ICRI CSP2. Ensure that all surface laitance is removed prior

to coating. If wet grinding, allow surface to fully dry prior to coating.

Concrete must be tested for moisture prior to installation of any coatings. The slab must not have a moisture content of 3% or more (by weight) when measured using the carbide method with a carbide hygrometer (CM device). If moisture content measures 3% or more, use LATICRETE® MOISTURE VAPOR BARRIER.

Surface Preparation - Over Existing Tile

Refer to TDS 450: Installation Guideline for Installing LATICRETE® Floor Coatings over Existing Tiled Surfaces.

Surface Preparation - Metal/Steel

Clean the surface per SSPC-SP1. Surfaces to be coated must be free of grease, oils, cutting fluids and any other contaminants that may impede adhesion. Always check the surface for any bond inhibitors prior to application.

- For Steel: Shot blast the surface per SSPC-SP 6/NACE 3
- For Stainless/Galvanized: Shot blast the surface per SSPC-SP16.

After shot blasting, perform a second solvent wipe of the surface to remove any residual dust or debris. Immediately coat the surface.

Mixing Pigmented Coatings

Maintaining a consistent storage temperature prior to application will maximize working time. Add full contents of Polyaspartic Pigment pack directly into short filled Part A Pigment Base. Mix pigment into Part A with a slow speed drill mixer for 2 minutes to fully disperse the polyaspartic pigments. Failure to properly mix pigments may lead to an inconsistent finish and reduced product performance.

Mixing Part A with Part B

Prior to mixing Part A and Part B, individually mix Part A for 2 minutes. Mix 1 Part A and 1 Part B (1:1) by volume using a clean, dry working vessel. Use a paddle mixer on slow speed for 2 minutes. Avoid overmixing or creating a vortex that could introduce air. Do not mix below the dew point, which will shorten the pot life. No induction time is required prior to use.

If a traction additive (e.g. LATICRETE® GRIP TRACTION ADDITIVE) is to be incorporated, it is to be added after thoroughly mixing Part A and Part B.

Application

GUARD PA PURE may be applied by brush, roller, resin broom or squeegee. Suggested application thickness is 0.2 mm wet film thickness (WFT) or 4.9 m²/L. Maximum application thickness in a single application is 0.25 mm WFT. Applying beyond the maximum thickness may result in clouding or milky areas. Spread evenly over all prepared surfaces to desired thickness. Immediately

following, while the coating is still wet, use a high quality 9 mm nap non-shedding roller to back-roll at 90 degrees from the original application direction to help ensure full coverage and uniform thickness. Use a brush or small roller around penetrations, columns, and any other obstructions. Periodically check mil thickness using a wet film thickness gauge. Do not allow the product to puddle or pool. Contact LATICRETE directly for specifics on effective application techniques.

The material will be dry to the touch 2 to 3 hours after application, dependent on ambient temperature, slab temperature and humidity. Product may be re-coated within 2 to 24 hours following application. Light foot traffic is acceptable 3 to 4 hours following application and vehicular traffic is acceptable 24 hours after application.

If using as a top-coat over epoxy, it is critical that the epoxy not be let down with alcohol during installation or cleaned with alcohol prior to top-coat application. Always apply over epoxy within the manufacturer's recommended re-coat time.

Notes

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the coating system.

Variability in job site conditions (including but not limited to surface preparation, sunlight, humidity, dew point, temperature, etc.) during application of LATICRETE flooring products may lead to fisheyes, blistering, pinholes, wrinkling, or outgassing of air in the concrete and are not product defects. Additional coats, shading or evening application may be required.

6. AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE Europe S.r.l. a socio unico:

+39 059 535540

info@laticreteeurope.com

For on-line distributor information, visit www.laticrete.eu.

Cost

Contact LATICRETE Europe S.r.l. a socio unico to obtain complete information and cost.

7. WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The

warranty validity of one (1) year. Contact Technical Services for further information. See 10. FILING SYSTEM:

- DS 230.13EU: 1 Year Product Warranty

8. MAINTENANCE

The long term performance, appearance, and life expectancy of wear surface products are critically dependence upon a good routine maintenance program designed specifically for the installed wear surface. LATICRETE® polyaspartic and epoxy floor coating systems are nonporous, causing dirt and contaminants to remain on the surface. The use of properly placed walk-off mats, inside and outside, will help increase the life of the floor. Recommend maintenance program consist of frequent and thorough cleaning utilizing a neutral pH cleaner. The frequency of washing will vary depending on floor usage type, traffic and age.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling or emailing the Technical Service Hotline:

+39 059 535540

technicalservices@laticreteeuropa.com

Technical and Safety Literature

To obtain technical and safety literature, please visit our website at www.laticrete.eu.

Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® is unable to directly control the installation methods and conditions of products and does not assume any liability arising from their implementation. Those who want to use LATICRETE® products should conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.

LATICRETE® products are covered by a warranty within the limits of what is established by our general conditions of sale and within the limits of correspondence related to technical specifications and applicable certifications, as expressly indicated in the product data sheets, documentation, or applicable technical documentation.

10. FILING SYSTEM

Additional product information is available on our website at laticrete.eu. The following is a list of related documents:

- DS 230.13EU: 1 Year Product Warranty
- DS 36592: LATICRETE® CLEAR PA PURE
- DS 560: LATICRETE® Europe MOISTURE VAPOR BARRIER
- TDS 420: LATICRETE® Floor Maintenance Guide

- DS 3127: Surface Preparation for LATICRETE® Resinous Flooring