



CLEAR PA XPL LOW GLOSS

DS-36591-1221

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

CLEAR PA XPL LOW GLOSS

2. MANUFACTURER

LATICRETE Europe S.r.l. a socio unico

Via Paletti, snc, 41051

Castelnuovo Rangone MO, Italy

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3. PRODUCT DESCRIPTION

CLEAR PA XPL LOW GLOSS is a transparent, high solids, low VOC and minimal odor polyaspartic coating for both decorative and protective applications. It enhances any LATICRETE® resinous flooring system by providing an attractive less reflective finish when used as a top coat.

Engineered to retain a low viscosity for longer periods of time, CLEAR PA XPL LOW GLOSS allows for easier application and improved workability. It can be applied in single or multiple coats by brush, roller, squeegee or resin broom.

CLEAR PA XPL LOW GLOSS provides excellent impact abrasion and chemical resistance for high traffic areas. Its UV stable nature and minimal installation odor makes it suitable for both interior and exterior applications.

Approved equivalent to SPARTACOTE™ FLEX XPL Low Gloss.

Uses

- As a finish topcoat within seamless multi-build LATICRETE® resinous coating systems including GUARD, BUILD, QUARTZ, FLAKE, FLOW, METALLIC, STAIN, and SEAL
- 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

- Attractive low gloss finish
- Quick dry time – walk-on in 6-8 hours and 24-hour return to service
- High solids formulation – easier to work with
- Improved workability – designed to retain a low viscosity for longer periods of time
- Low VOC with minimal odour – making it safe to use indoors and outdoors
- UV stable – retains optical clarity of clear finish
- Good chemical and abrasion resistance – resistance to stains and spills
- Can be mixed with traction additives for additional grip or traction
- USDA compliant (FDA/CFSAN U.S. Food Code 6.101.11 Surface Characteristics)

Suitable Substrates

- Polyaspartic Coating
- Epoxy Flooring (Poured)
- Urethane Cement Systems
- Concrete
- Tile

Packaging

8.7 lt Part A in 13.2 lt pail (*item # 9152-0023-2*)

3.8 lt Part B (*item # 9143-0001-2*)

Approximate Coverage / Consumption

~80 - 100 g per coat per m²

WFT	DFT	Coverage
6.0 mils (0.15 mm)	5.5 mils (0.14 mm)	6.6 m ² /L
7.0 mils (0.18 mm)	6.4 mils (0.16 mm)	5.6 m ² /L
8.0 mils (0.20 mm)	7.4 mils (0.19 mm)	4.9 m ² /L
9.0 mils (0.23 mm)	8.3 mils (0.21 mm)	4.4 m ² /L
10.0 mils (0.25 mm)	9.2 mils (0.23 mm)	3.9 m ² /L

WFT = Wet Film Thickness

DFT = Dry Film Thickness

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

When using as a topcoat over chip or quartz broadcasts adjust estimates to account for additional required material.

Shelf Life

Containers are to be kept tightly sealed. Do not freeze. Store above 40°F (4°C). Stir well before using as some settlement will occur during storage. Shelf life is one year in factory-sealed containers when properly stored.

Limitations

- 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.
- Avoid breathing vapors, mist or spray.
- 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.
- Dispose of contents/container in accordance with local, regional, national, and international regulations.
- Keep out of reach of children.

4. TECHNICAL DATA



VOC/LEED Product Information

<100 g/L (as intended for use)

Physical Properties

Classification according to EN 13813:	SR-B2,0-AR0,5-IR10	
Reaction to fire according to EN 13501-1:	F	
Basis:	High solids, polyaspartic resins	
Appearance:	Low Gloss	
	Value	Test Method
Bond Strength:	> 2,5 N/mm ²	EN 13892-8
Wear Resistance:	< 30 µm	EN 13892-4
Impact Resistance:	> 10 Nm	EN ISO 6272-1
Temperature Resistance:	From -30°C to +90°C	

Working Properties

Mix Ratio:	2.3 Part A : 1 Part B by volume	
% Solids:	92% by weight	
Working Time:	20 - 25 minutes	
Number of Coats:	1 - 2 coats*	
Thickness per Coat (WFT):	8 - 10 mils (0.20 - 0.25 mm)	
Minimum Re-Coat Time:	3 hours	
Maximum Re-Coat Time:	24 hours	
Foot Traffic:	6-8 hours	
Vehicular Traffic:	24 hours	

*only 1 coat required when used as clear topcoat of system (ex. over GUARD PA).

Working properties based on 23°C & 50% R.H. 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

CLEAR PA XPL LOW GLOSS is intended for use as a top coat in LATICRETE® resinous coating systems (i.e. over GUARD PA PURE) or direct to concrete as a clear low gloss sealer.

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 CSP-2. 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 Resinous Finishes Over Existing or Worn Substrates.

Mixing Part A with Part B

CLEAR PA XPL LOW GLOSS is provided in premeasured units (2.3A:1B by volume, 1:1 by parts).

Prior to mixing Part A and Part B, individually mix Part A for 2 minutes to disperse any contents which may have settled. Pour the 3.8 L Part B into the complete 8.7 L unit of Part A. Stir with a slow speed drill mixer for 2 minutes. Avoid over-mixing 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.

Once mixing is complete, use within the stated working time. Leaving mixed material in the bucket may generate excessive heat.

Application

CLEAR PA XPL LOW GLOSS may be applied by brush, roller, resin broom or squeegee. Suggested application thickness is 8 mils (0.20 mm) WFT or 4.9 m² /L. Maximum application thickness in a single application is 10 mils (0.25 mm) WFT. Applying beyond the maximum thickness may result in clouding or milky areas.

Immediately following application, 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 (WFT) gauge. Do not allow the product to puddle or pool.

Product will appear glossy when first applied but will dry to a low gloss finish. Allow 24-48 hours for floor to reach final low gloss appearance. Contact LATICRETE directly for specifics on effective application techniques.

The material will be dry to the touch 3 to 4 hours after application, dependent on ambient temperature, slab temperature and humidity. Product may be re-coated within 3 to 24 hours following application. Light foot traffic is acceptable 6 to 8 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 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 relate 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@laticreteurope.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@laticreteeurope.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 864: LATICRETE® GUARD PA
- DS 560: LATICRETE® Europe MOISTURE VAPOR BARRIER
- TDS 420: LATICRETE® Floor Maintenance Guide
- TDS 450: Installation Guideline for Installing Resinous Finishes Over Existing or Worn Substrates
- DS 3127: Surface Preparation for LATICRETE® Resinous Flooring