



FLAKE

DS-875-0122

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

FLAKE

2. MANUFACTURER

LATICRETE Europe S.r.l. a socio unico

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3. PRODUCT DESCRIPTION

FLAKE is a decorative flake blend intended to provide consistent colour and texture to seamless resinous floors as part of the LATICRETE® FLAKE system (also commonly referred to as chip).

Designed to increase durability and longevity while offering a high quality finish, our flakes continue to gain popularity among architects, designers, contractors and facility owners.

They allow for the customization to commercial, residential and industrial floors with an endless range of colours, styles, textures and sizes.

Uses

- Within seamless multi-build LATICRETE® FLAKE system
- May be used to help hide small substrate imperfections

Advantages

- Good flexibility and strength
- Thin particles (~120 µ) — small volume with large area coverage
- Lightweight — reduced transport costs and reduced CO2 emissions
- Easy to install
- Non-toxic — better for your health
- Non-flammable
- Fully compatible with polyaspartic, epoxy and urethane resins

Suitable Substrates

- Epoxy Coating
- Polyaspartic Coating

Packaging

Available in 22 standard finishes, including solid colour, mixed colour, metallic mica-chip and glow-in-the-dark blends. *Custom colour blends are available upon request.*

20 kg

- Size 1: 0.5 - 1 mm*
- Size 3: 2 - 4 mm*

**Note: these ranges indicate majority of flake or granule sizes, though there may be some variation outside these ranges.*

Approximate Coverage / Consumption

- Single Broadcast: ~18 m² per 20 kg bag
- Double Broadcast: ~9m² per 20 kg bag

Coverage values are approximate and will vary based on surface condition, preparation methods and application technique. Thicker broadcast coats will require additional chip.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for the indicated period: Indefinite

Limitations

- Keep FLAKE out of the sun and at ambient temperature during use. Follow temperature guidelines for specific LATICRETE coating being used.

- 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 are available at www.laticrete.eu.

- Wear protective gloves, protective clothing and eye protection.

4. TECHNICAL DATA



VOC/LEED Product Information

- VOC: < 1 g/L
- Formaldehyde: < 10 ppm

Physical Properties

Size 1

Size:	Majority between 0.5 - 1 mm (Overall range: 0.5 - 1.4 mm)
Thickness:	120 µ

Size 3

Size:	Majority between 2 - 4 mm (Overall range: 0.5 - 5.6 mm)
Thickness:	120 µ

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

Application

FLAKE chips are compatible with LATICRETE® polyaspartic, epoxy and urethane resins. See applicable product data sheet for surface preparation requirements and detailed application instructions.

After applying the broadcast coat resin per the instructions on the data sheet and while the material is still wet, broadcast chips with either a mechanical sprayer or by hand in a “rainfall pattern” into the wet resin to refusal or rejection (full coverage). There should be no resin showing or visible “wet” areas. If necessary, broadcast additional chip.

Once the broadcast coat has cured, begin removing excess chip media. With an electric leaf blower proceed to blow all the excess/non-adhered chip into piles or towards a corner. Carefully clean up the excess chip and re-box it as it can be used again on future projects.

Using a 30.5 - 35.6 cm metal floor scraper proceed to scrape the surface in 3 opposing direction (north/south, east/west, diagonal) ensuring the entire floor receives a uniform scrape. This procedure is critical to a quality finished floor. A poor scrape will result in an uneven finished texture and excess material usage on the top coat. Clean all the chip debris by blowing it into piles with the leaf blower.

Clean up the debris and dispose of it in the trash (The scraped chip cannot be reused on the next job). Blow the floor a second time to ensure all remaining chip debris is off the floor and surface is clean and ready for the top coat.

A grout and/or top coat is required and will provide improved UV stability, abrasion, stain resistance, and chemical resistance. For mica chip systems, a double top coat is recommended. Consult a LATICRETE Technical Service Representative for best options.

Refer to TDS 432 and TDS 433 for LATICRETE FLAKE Flooring Installation Guides.

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 SPARTACOTE products may lead to fisheyes, blistering, pinholes, wrinkling, or outgassing of air in the concrete and are not product defects. Double priming, 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 on frequent and through cleaning utilizing a neutral pH cleaner (e.g. STONETECH® Stone & Tile Cleaner). 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 864: GUARD PA Product Datasheet
- DS 866: GUARD PA PURE Product Datasheet
- DS 870: GUARD PA PURE CLINICAL PLUS Product Datasheet
- DS 36593: CLEAR PA Product Datasheet
- DS 36592: CLEAR PA PURE Product Datasheet
- DS 87: CLEAR PA PURE CLINICAL PLUS Product Datasheet
- DS 36591: CLEAR PA XPL LOW GLOSS Product Datasheet
- TDS 432 LATICRETE® FLAKE PA Flooring Installation Guide
- TDS 433 LATICRETE® FLAKE PA PURE Flooring Installation Guide