



Laykold®

Cushion Plus System

1. General Description

Laykold Cushion Plus offers a series of industry leading, liquid applied, cushioned hard court surfacing systems. Laykold Cushion Plus Granule rubber and Laykold Cushion Plus Powder rubber are encapsulated in Advanced polymer Technology's (APT) resilient proprietary binder. Based on the Cushion Plus system, specified layers of Cushion Plus Granule and Cushion Plus Powder are squeegee and/or spray applied to create elastic, shock absorbing layers for more comfortable play and a more enjoyable post play experience.

All components of the Laykold Cushion Plus system are environmentally friendly and free of asbestos, Lead, and Mercury.

Features and Benefits

- ✓ Adds resiliency to hard court surfaces
- ✓ Available in 4 comfort levels
- ✓ Manufactured in USA to ISO 9001 and ISO 14001 standards
- ✓ Large selection of topcoat colors
- ✓ Environmentally friendly

LAYKOLD CUSHION PLUS SYSTEMS

- 1 application of Laykold Acrylic Resurfacer
- 2-4 applications of Laykold Cushion Plus Granule
 - Cushion Plus Standard system: 2 applications
 - Cushion Plus Xtreme system: 3 applications
 - Cushion Plus Supreme system: 4 applications
 - Cushion Plus Force with Micron Technology: See Cushion Plus Force specification and Cushion Plus Micron Technical Data Sheet (TDS) for details
- 3 applications of Laykold Cushion Plus Powder
- Optional: 1 application of Laykold NuSurf
- 2-3 applications of Laykold ColorCoat Concentrate, Advantage Laykold, or Laykold ColorFlex as specified.

Laykold Cushion Plus Granule is a latex-based emulsion product fortified with 0.5-1.5 mm EPDM rubber granules and acrylic fiber to add resiliency and strength to a hard court surface.

Laykold Cushion Plus Powder is a latex-based emulsion fortified with 0.0-0.5 mm EPDM rubber powder. It is designed for use with Laykold Cushion Plus Granule applications. The smaller Cushion Plus Powder rubber and acrylic fibers fill voids created during Cushion Plus Granule applications while smoothing and strengthening the shock absorbing layers.



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Laykold ColorCoat Concentrate, Advantage Laykold (factory textured), and Laykold ColorFlex color systems as specified may be used to surface the Laykold Cushion Plus system. All Laykold color systems are available in twelve (12) factory colors: Forest Green, Dark Green, Medium Green, Grass Green, Burgundy, Brick Red, Beige, Grey, Dark Blue, Pro Blue, Light Blue, and Royal Purple. Custom colors are available upon request.

2. Safety Guidelines

Always wear the recommended personal protective equipment. Avoid contact with eyes, skin, and clothing.

3. Storage and Packaging

Laykold Cushion Plus Granule and Laykold Cushion Plus Powder should be kept dry, cool and in original packaging.

Packaging: Laykold Cushion Plus Granule and Cushion Plus Powder – 55 gallon drum (212 kg)

4. Coverage

Granule Cushion Coat (0.5-1.5 mm) coverage averages approximately 0.20 gal/yd² (0.91 kg/m² or 45 ft²/gal) per application of undiluted material

Powder Cushion Coat (0-0.5 mm) coverage averages approximately 0.12 gal/yd² (0.61 kg/m² or 75 ft²/gal) per application of undiluted material

Coverage may vary slightly based on substrate texture, application technique, and weather conditions.

5. Installation Guidelines

When diluted with water, each material must be mixed thoroughly until consistent. The amount of water added may vary slightly due to temperature and weather conditions. The mixed products shall be applied to the surface using a soft, rubber squeegee. DO NOT add silica sand to Cushion Plus Granule or Powder. The finished applications shall have a uniform appearance and shall be free from any ridges. NOTE: Please be very careful that each coat is completely cured before applying the next coat. If water is trapped between layers, peeling and bubbling may occur.

Cushion Plus Granule Batch Mixture

55 gallon of Granule Cushion Coat (0.5-1.5)
20-24 gallon of water



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Cushion Plus Powder Batch Mixture

55 gallon of Powder Cushion Coat (0-0.5 mm)
20-22 gallon of water

6. Limitations

- Minimum surface and application temperature: 10°C (50°F)
- Maximum surface and application temperature: 54°C (130°F)
- Do not allow to freeze
- Do not over dilute with water
- Drying time of at least 5 hours between Cushion Plus applications. Additional drying time is needed for indoor applications and when in the shade

7. Technical Data

Results based on temperature of 23°C (73°F) and 50% Humidity

Cushion Plus Granule	
Density	0.95-1.05 g/cm ³
Viscosity	30,000-40,000 cPs
Cushion Plus Powder	
Density	0.95-1.05 g/cm ³
	4,400-8,400 cPs

*Based on standard formula calculation

Above figures are guide values and should not be used as a base for specifications

Consult the Safety Data Sheet (SDS) for more details

For complete and latest warranty and product information, please visit www.advpolytech.com

