



# Laykold®

## Colorflex

### 1. General Description

Laykold ColorFlex is an innovative, 100% acrylic emulsion, high performance sports surfacing material. ColorFlex is highly flexible (250% greater than standard acrylic coatings), wear-resistant and manufactured using the highest quality pigments and polymers. ColorFlex is a concentrate and can be used for both textured and non-textured color applications. ColorFlex is environmentally friendly and does not contain any Asbestos, Lead, or Mercury.

Primary Uses: ColorFlex's innovative formulation and inherent superior physical properties make it the best acrylic color coating material for cushioned, slip-sheet and/or floating sport & athletic surfacing systems. In addition, when used as a system with Laykold NuSurf (highly flexible asphalt resurfacer), the ColorFlex System has had success hiding hairline to small sized surface cracks.

ColorFlex is available in twelve (12) colors: Grass Green, Medium Green, Dark Green, Forest Green, Red, Beige, Grey, Burgundy, Light Blue, Dark Blue, Pro 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

Colorflex should be kept dry and cool in original packaging.

Packaging: 55 gallon drum (240 kgs/drum) or 30 gallon drum (130 kgs/drum) based on storage location.

### 4. Coverage

Textured batch mix coverage is approximately 0.055 to 0.065 gals/yd<sup>2</sup> undiluted material per coat. (0.29-0.35 kg/m<sup>2</sup> or 135-165 ft<sup>2</sup>/gal)

Finish batch mix coverage is approximately 0.04 to 0.05 gals/yd<sup>2</sup> of undiluted material (0.23-.29 kg/m<sup>2</sup> or 180-225 ft<sup>2</sup>/gal)

### Features and Benefits

- ✓ Highly Flexible
- ✓ Concentrate used for wear or finish color coats.
- ✓ Wear & weather resistant
- ✓ Environmentally friendly
- ✓ Does not contain Asbestos, Lead, or Mercury
- ✓ Variety of colors



## 5. Installation Guidelines

Existing surface shall be dry, clean, free from all dirt, dust and foreign debris. New asphalt and concrete should be allowed a 30 day curing period before application of any coatings. If Colorflex is to be applied over concrete, please refer to the Laykold Poly Primer Technical Data Sheet. Prior to application of any coatings, the entire area should be flooded with water and checked for depressions of 1/16" or greater. Depressions shall be leveled using Laykold Acrylic Deep Patch. Refer to individual technical data sheets for mixture and application details. Once patching is complete, 1-2 applications of Laykold NuSurf shall be applied to the surface. Refer to the individual technical data sheets for mixture and application details.

When adding water and/or silica sand, the ColorFlex must then be mixed thoroughly until the material is consistent. The amount and size of silica sand may be varied to achieve the desired surface pace properties. A larger and greater sand content produces slower surface pace. Smaller and less sand content produces faster surface pace.

### ColorFlex Textured Batch Mixture

55 gallons (260 kg) of ColorFlex  
22-32 gallons of potable water.  
225-400 lbs. of #70-#100 mesh silica sand

### ColorFlex Finish Batch Mixture

55 gallons (260 kg) of ColorFlex  
45-50 gallons of potable water.

## 6. Limitations

- Minimum air and substrate surface temperatures: 50°F (50°C).
- Maximum surface temperature of substrate: 130°F (54°C).
- Do not apply when rain is imminent.
- Do not allow to freeze.
- Do not over dilute with water.
- Drying time of 2-4 hours depending on weather conditions.
- Minimum 1 hour to recoat.
- For indoor applications, sand should NOT be added to the final coat.





## 7. Technical Data

*Results based on temperature of 77° (25°C) and 50% Humidity*

VOC	38.3 g/L*
Density	1.12-1.22 g/cm <sup>3</sup>
Viscosity	35,000-45,000 cPs
Tensile Strength	Avg. 0.75 N/mm <sup>2</sup>
Elongation	Avg. 17.3%

\*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](http://www.advpolytech.com)





**Laykold<sup>®</sup>** Colorflex