



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 Use: 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 and 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.

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. Colorflex has a shelf life of 1 year.

Packaging: 55 gallon drum (240 kgs/drum) or 30 gallon drum (130 kgs/drum)

4. Coverage

Texturized batch mix coverage is approximately 0.055 – 0.065 gals/yd² (0.29 – 0.35 kg/m² or 135 – 165 ft²/gal) of undiluted material per coat.

Finish batch mix coverage is approximately 0.04 – 0.05 gals/yd² (0.23 – 0.29 kg/m² or 180 – 225 ft²/gal) of undiluted material per coat.

Features and Benefits

- ✓ Highly Flexible
- ✓ Concentrate used for wear or finish color coats
- ✓ Wear and weather resistant
- ✓ Environmentally friendly
- ✓ Does not contain Asbestos, Lead, or Mercury
- ✓ Variety of colors
- ✓ International Tennis Federation (ITF) classified



5. Installation Guidelines

Existing surface shall be dry, clean, and free from all dirt, dust and foreign debris. New asphalt should be allowed a 14 day cur and new concrete should be allowed a 30 day cure 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 gallon (260 kg) of ColorFlex
22 – 32 gallon of portable water
225 – 400 lbs of 70 – 100 mesh silica sand

ColorFlex Finish Batch Mixture

55 gallon (260 kg) of ColorFlex
45 – 50 gallon or portable water

6. Limitations

- Minimum air and substrate surface temperature: 50°F (10°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



7. Technical Data

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

VOC	38.3 g/L*
Density	1.12 – 1.22 g/cm ³
Viscosity	35,000 – 45,000 cPs
Tensile Strength	Avg. 0.75 N/mm ²
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

