



# HS 204 Topcoat

## PRODUCT DESCRIPTION

HS 204 is a low odor, clear, high gloss, 100% solids, 2-component, epoxy flooring topcoat material designed to grout, seal, and protect. HS 204 can be lightly broadcast with aluminum oxide or other aggregate to enhance slip resistance. It also provides improved UV, abrasion, and impact resistance, as well as protection from mild chemical attack.

## TYPICAL USES

HS 204 is designed as a 100% solids, light colored epoxy topcoat with a smooth, high gloss finish. It has excellent color stability and is easy to apply due to its low viscosity. This product displays high chemical resistance.

HS 204 is ideal for light to moderate traffic areas, general manufacturing or distribution facilities, or aircraft hangars.

## PHYSICAL CHARACTERISTICS

**Mix Ratio (A:B, V:V):** 2:1

**Viscosity (ASTM D2196, cPs):** 700

**Density (ASTM D1475, lbs/gal):** 9.07

**Tensile Strength (ASTM D638/C307, psi):** 6,600

**Pot Life (77°F):** 25 min.

**Cure Time (75°F, 70% RH):** 10 hrs (foot traffic and recoat), 13 hrs (full service)

**Shelf Life:** 1 yr. from ship date (unopened) at 73°F

**Volume Solids (%):** 100%

**VOC (g/l):** 0

**Induction Time:** None

**Heat Distortion Temperature (°F, 264-psi load):** 120

**Shore D Hardness (ASTM D2240):** 81

**Taber Abrasion (ASTM D4060):** 135

**DOT Classification Part A:** Not Regulated

**DOT Classification Part B:** Polyamines, liquid, corrosive, N.O.S. (Isophorone Diamine Blend), Class 8, PG III, Marine Pollutant, UN 2735

## PROPERTIES

- High resistance to staining and chemicals, such as acids, alkalis, and solvents
- Zero VOC
- Low odor - reduces the need to relocate personnel during application
- Improved UV resistance over traditional epoxy
- Excellent color stability
- Impact resistant
- Seamless
- Nonporous
- Low viscosity
- Durable and low maintenance
- High gloss surface appearance

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### APPLICATION OF MATERIALS

If pigment is required, mix pigment into Part A prior to mixing with Part B. Use a variable speed drill equipped with a Jiffy mixing blade; mix on low speed until evenly dispersed. Once fully blended, mix A & B using a variable speed drill equipped with a Jiffy mixing blade until well blended for a minimum of two minutes. Scrape sides of mixing bucket with paint stick or spatula to help insure thorough blending of Parts A and B.

If no pigment is required, mix 2 Parts A with 1 Part B by volume. Using a variable speed drill equipped with a Jiffy mixing blade; mix on low speed until well blended for a minimum of two minutes. Scrape sides of mixing bucket with paint stick or spatula to help insure thorough blending of Parts A and B.

Apply HS 204 material to floor immediately after mixing by using a brush, roller, squeegee, or trowel. Rate of application will vary based on system selected. Refer to appropriate system specification for detailed application rates. If a second coat is required, it must be applied within 20 hours, otherwise the surface must be sanded with 60 grit sandpaper prior to application.

Application temperature should be between 60°F and 80°F. Substrate temperature must be a minimum of 5°F above dew point.

Use Pilgrim #5 Cleaner, xylene, acetone, etc. for cleaning tools and equipment soon after use. Do not use solvents on hands or other parts of body. Clean hands and other exposed areas with soap and water.

### STANDARD PACKAGING

15 gallon kit (2 parts A, 1 part B, in 5 gallon pails)  
3 gallon kit (2 parts A, 1 part B, in 1 gallon pails)  
Pigment: 1 quart can (mix 1 quart: 3 gallon kit).

### STORAGE CONDITIONS

Store material in a cool and dry place out of direct sunlight. For best results, material should be stored between 70°F and 90°F. Do not store near open flame or ignition source. Read and understand all product labels and Safety Data Sheets (SDS) prior to use.

### CAUTION

Workers should wear protective clothing, eye protection, and impermeable gloves. If allowable exposure limits are exceeded, organic vapor respirators should be worn. All on-site personnel should become familiar with the SDS and appropriate system specification in order to increase hazard awareness.

### WARRANTY

Pilgrim Permocoat Inc. warrants that materials shipped to buyers are free of any defects in material or workmanship according to Pilgrim's published data if used in accordance with Pilgrim's specified application procedure. Pilgrim Permocoat Inc. shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended, and in accordance with Pilgrim's application guidelines.

This product is sold by weight, not by volume. Product properties require that containers provided are not completely filled. See price sheet for actual container weight and volume.

**Note:** This product data sheet was prepared as a general guide only. Please contact your local Pilgrim Representative or our Technical Service department for assistance prior to any application.