



SPEC DATA SHEET

5205 HYBRID POLYUREA PRIMER/SEALER

PRODUCT DESCRIPTION

5205 Hybrid Polyurea is a very fast drying clear primer/sealer designed for use over concrete floors. It is also well suited as the first thin coat over a flaked garage floor as it will allow the applicator to apply the second clear topcoat in 20 minutes, providing a higher build floor with minimal down time. This unique technology allows for more than an hour of potlife, yet the material dries in as little as 20 minutes when applied to the floor. When used as a clear concrete sealer, 5205 has water clarity and mirror like smoothness and gloss. 5205 also has a lower viscosity that makes it very easy to apply while providing an even longer pot life and a faster cure when applied out onto the surface.

The cross linking of the 5205 series film in the cure makes it exceptionally tough and durable, maintaining its gloss far beyond that of comparable systems. The chemistry is based upon Polyurea and much attention has been given to the application characteristics in its formulation. As a result, Poly Urea 5205 is extremely user friendly without having sacrificed the performance of the finished product. The applications for this product are almost limitless. 5205 is suited for use on garage floors when a 1 day system is desired, high end residential applications, and retail settings with high traffic requirements or food service areas where stain resistance and clean ability are paramount.

COMPOSITION

Special proprietary blend of urethane, wetting agents, adhesion promoters and other additives.

ADVANTAGES

- 66% Solids, 9 VOC
- 120 Minute Pot Life
- High Gloss
- Medium Build
- Good Resistance to Most Chemicals
- 5205 is Skydrol Resistant
- 5205 is Non Yellowing.
- Will Cure at Temperatures Just above Freezing
- Accelerators are Available

LIMITATIONS

- 5205 is combustible and proper ventilation should be used during its application
- Requires moisture/vapor barrier for surfaces with a MVT of 3lbs or higher

- Will not bridge cracking
- Not resistant to strong acids.
- Do not use over Acrylic Sealers or Acrylic Primers unless they are de-glossed first
- Topcoats must be applied over it while tacky or screening/sanding of the 5205 will be required in order to get proper tooth for the topcoat to bond to

AREAS OF USE

- Garage Floors
- Retail Floors
- Industrial Floors
- Any Concrete Floor
- Most Previously Coated Floors – consult with manufacturer

COLORS

Clear

PACKAGING

Packaged

1.5-Gallon Unitized Kit
5 Gallon Bulk

COVERAGE

250-300/Gal
375-450 ft/Kit

Over Flake (as a tight primer coat before applying topcoat)
266 ft/Gal – 400/Kit over 1/4” to 1” flake
150 ft/Gal – 225/Kit over mini flake

FINISHES

Smooth High Gloss “Mirror Like” Film

AVAILABILITY AND COST

VBP Products are supplied direct and all prices, install guides, etc are viewable online at www.garagecoatings.com.

INSTALLATION

Refer to manufacturers detailed System Installation Guide.

MAINTENANCE

Maintain the 5205 to a minimum thickness of 4 dry mils. If the 5205 is damaged, it can be repaired by sanding the surface, cleaning and then recoating the area with same materials.

TECHNICAL SERVICES

Technical services can be obtained by contacting:
VBP direct at 714-829-2600.

TECHNICAL DATA

Properties

Volumetric Mix Ratio A:B	2:1
Color	Clear
Volumetric Solids	66%
VOC (Volatile Organic Compounds) 5205	9g/L
Pot Life , 2 Gallon Mass, 75F, Gel Time 5205	~120 min
Cure Time Through 5205	5 Hours
Full Cure 5205	5 Days
Hardness , Pencil 5205	2H-3H
Abrasion Resistance (ASTM D 4060, CS 17, 1KG, 1000 cycles)	2 mg lost
Adhesion (ACI 503R)	300p.s.i. (100% Concrete failure)

Chemical Resistance

5205	
Acetone	No Effect
Xylene	No Effect
10% HCL	No Effect
Ammonia	No Effect
Skydrol	No Effect
Vinegar	No Effect
Degreaser	Faint Spot
Liquid Plummer	No Effect
Clorox	No Effect
Windex	No Effect
Motor oil	No Effect
Gasoline	No Effect
Hot Tires	No Effect

Slip Resistance

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Versatile Building Products Inc. recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Versatile Building Products Inc. or its sales agents will not be responsible for injury incurred in a slip and fall accident.