

Technical Data Sheet

Polyurea Basecoat PB 200

This 100% solids polyurea primer/basecoat is specifically designed for broadcast systems. It is a one of a kind technology that offers extreme adhesion, rapid cure and maximum broadcast time. PB 200 is perfect for residential, commercial and industrial broadcast floors. With excellent adhesion and extended potlife, this formula is useful for applications far beyond other polyurea or polyaspartic technologies on the market today.

BENEFITS AND FEATURES

- Foot traffic in 1-2 hours, 4-6 hour full return to service
- Easy to mix two to one ratio
- Extended potlife for ease of use
- Maximum open time for broadcasting into
- Extreme flexibility and elongation properties
- Extreme adhesion to most substrates
- Low temperature cure
- Zero VOC's
- Pre tinted to ensure opaque basecoat

USES AND APPLICATIONS

- Garages floors
- Basements
- Automotive shops
- Dog kennels
- Parking decks
- Bathrooms
- Maintenance facilities
- Sidewalks and walkways
- Front entry ways
- Showrooms

PACKAGING

Available in 3 speeds for all climate conditions. Summer, Winter, and X-treme Heat. Product comes pre-tinted in 2 standard colors, Grey and Tan. Custom colors are available by request. Available in 3 and 15 gallon kits.

PRODUCT PHYSICAL PROPERTIES

Tensile Strength	ASTM D412	6000
Elongation	ASTM D412	129%
Compressive Strength	ASTM D695	9,400 psi
Tear Strength (PLI)	ASTM D1737	350
Flexibility (1/8 Mandrel)	ASTM D2794	Pass
Falling Sand A Resistance	ASTM D968	30
Gloss	ASTM D523	90+
Tabor Abrasion Mg Loss	ASTM D4060	30

PRODUCT CURE TIMES

Tack Free Time @ 70 Degrees	40-75 Mins
Hard Dry	1-2 Hours
Foot Traffic	1-2 Hours
Re Coat	8 Hours

ADHESION

ASTMD 4541 Elcometer	
Concrete Substrate Failure	550 PSI
Steel Delamination	1200 PSI
Wood Substrate Failure	500 PSI

SURFACE PREPERATION

New concrete must have a 28 day cure and CSP 2-3, prior to coating. In the case of older concrete flooring, remove all surface oils, paint, dust and debris. Prior to coating, make sure the surface is clean, and passes the MVT. Fix any needed repairs using CR Mender or CR Patch and Coat before application.

RECOMMENDED COVERAGE RATES

Coverage rates based on 1600 square feet per gallon at 1 mil in thickness. Coverage rate will vary depending on application and substrate condition. Shot blasted floors will require more product than ground floors.

Roll application using 3/8" nap roller	275-325 sf/gal
flat blade squeegee and backroll	250-275 sf/gal

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MIXING RATIO OF 2 PART A : 1 PART B

Always pre mix each side before use. Standard mix is 2 qt of part A and 1 qt part B. Mix with low speed drill for 2 minutes. Do not whip product or induce air as it will reduce pot life. Never mix more than 3 quarts at any time and mix smaller batches for cutting in edges or verticals. Apply with a brush, squeegee or 3/8" nap lint free roller. Potlife will decrease with high humidity and high heat.

REDUCERS

PB 200 can be reduced with Acetone at no more than 20% of total mixed volume.

STORAGE

All containers should be stored at 40° F to 95° F and be kept tightly sealed and out of direct sunlight. Shelf life of unopened containers is 12 months.

CLEAN UP

All tools should be cleaned with MEK or Acetone as soon as possible after application.

WARRENTY

Penntek Industrial Coatings warrants to the purchaser of its products that such products are free from manufacturing defect. Penntek Industrial Coatings does not warrant or guarantee the workmanship performed by any person or firm installing its products. Penntek Industrial Coatings obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Penntek Industrial Coatings sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which Penntek Industrial Coatings examination shall disclose to Penntek Industrial Coatings satisfaction to be thus defective.

Please read material safety data before using product.

Disclaimer:

All statements and recommendations are based on contractor experience and is believe to be reliable. Penntek Industrial Coatings make no warranty, expressed or implied, as to results or hazard from its use. The suitability, risk and liability whatsoever of a product for it's intended use shall be solely up to the User. Penntek Industrial Coatings reserves the right to investigate any misuse of products and information.