

Technical Data Sheet**SINGLE COMPONENT PRIMER SC 50**

This single component non UV stable primer is specially designed to wick deep into the concrete and provide maximum inter-coat adhesion. SC 50 offers rapid cure (under 1 hour) and has an extended recoat window. This material can be applied beneath a wide variety of products. This product has extreme adhesion to many substrates to assure a long lasting floor. This material is key to eliminate out gassing in epoxy basecoats or to seal older softer slabs.

BENEFITS AND FEATURES

- Recoat in 1-2 hours
- Easy to use single component
- Unlimited potlife for ease of use
- Maximum recoat times
- Extreme flexibility and elongation properties
- Extreme adhesion to most substrates
- Low temperature cure
- Zero VOC's
- Low viscosity for easy application

USES AND APPLICATIONS

- Garages floors
- Basements
- Automotive shops
- Dog kennels
- Parking decks
- Manufacturing plants
- Maintenance facilities
- Sidewalks and walkways
- Residential, commercial and industrial use
- Showrooms

PACKAGING

Available in 5 gallon bucket
Product is a clear amber color

PRODUCT PHYSICAL PROPERTIES

Tensile Strength	ASTM D412	4500
Elongation	ASTM D412	117%
Compressive Strength	ASTM D695	9,000 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	30-75 Mins
Hard Dry	1-2 Hours
Foot Traffic	1-2 Hours
Re Coat	8 Hours

ADHESION

ASTMD 4541 Elcometer	
Concrete Substrate Failure	500 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	300-325 sf/gal
flat blade squeegee and back roll	250-275 sf/gal

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MIXING RATIO : SINGLE COMPONENT

Always pre mix before use. Pour material into small bucket for cutting in edges or vertical surfaces. Once edges are complete, pour material direct to floor and roll apply using a 3/8" nap lint free roller or a flat blade squeegee to spread material and back roll with 3/8" nap lint free roller. Apply material thin, and do not leave thick spots. Use a low speed drill to mix product and do not whip product or induce air as it will reduce potlife. High humidity and temperatures will reduce potlife and accelerate cure times.

REDUCERS

PB 200 can be reduced with Acetone at no more than 10% of total mixed volume.

STORAGE

All containers should be stored at 40° F to 80° F and be kept tightly sealed and out of direct sunlight. Shelf life of unopened containers is 6 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:

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