



**PROTECH 4400-SLS**  
Self Leveling System

**Technical Data**

**DESCRIPTION:** Protech 4400-SLS Self Level Floor System is a high-build, thermo setting industrial epoxy flooring system. Designed to fill in and protect badly pitted concrete floors, and to provide maximum wear and chemical resistance. Protech 4400-SLS is odorless, non-toxic, easily cleaned and cures to a high gloss finish. The system is ceramic fiber filled. Therefore, you can expect a very well reinforced system which will inherently give you added impact and abrasion resistance.

**RECOMMENDED USES:** For leveling badly pitted or spalled concrete areas. It is especially useful where odor during application must be eliminated.

**CHEMICAL RESISTANCE:**

Gasoline	at 75 deg. F .	Good, recommend clean up within 2 hours.
HCl	10% at 75 deg. F.	Excellent, recommend clean up within 16 hours.
HCl	20% at 75 deg. F.	Excellent, no effect after 20 day exposure.
HCl	37% at 75 deg. F.	Excellent, recommend clean up within 144 hours.
Lactic Acid	8.5%, 85% at 75 deg. F.	Excellent, recommend clean up within 16 hours.
M.E.K.	at 75 deg. F.	Good, recommend clean up within 2 hours.
Nitric Acid	10% at 75 deg. F.	Good, recommend clean up within 2 hours.
Phosphoric	8.5% at 75 deg. F.	Good, recommend clean up within 2 hours.
Phosphoric	85% at 75 deg. F.	Excellent, recommend clean up within 16 hours.
Sodium Hydrx	10%, 20%, 50% at 75 deg. F.	Excellent, recommend clean up within 96 hours.
Sulfuric	5% at 75 deg. F.	Excellent, recommend clean up within 144 hours.
Sulfuric	20% at 75 deg. F.	Excellent, recommend clean up within 16 hours.
Sulfuric	97% at 75 deg. F.	Very good, recommended clean up within 8 hours.
Toluene	at 75 deg. F.	Good, recommend clean up within 2 hours.
Battery Acid		Excellent

**PHYSICAL CHARACTERISTICS:**

Compressive strength, ASTM D695:	7,000 psi
Tensile strength, ASTM D638:	5,500 psi
Flexural strength, ASTM D790:	12,100 psi

**FINISH:** Gloss

**VOLUME SOLIDS:** 100% by weight

**FLASH POINT:** Not applicable

**SUGGESTED DRY FILM THICKNESS:** 15-30 mils per coat

**THEORETICAL COVERAGE:** 2305 sq. ft. per unit per dry mil.

**COLOR:** Gray

**PACKAGING:** 1 unit = 1 gallon can (short filled) Part B, Base  
1/2 gallon can, Part A, Activator

**SHIPPING WEIGHT:** 1 unit = 15 lbs.

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**PARKER COATINGS, INC. - 2451 W. MASON ST. - GREEN BAY, WI 54303**  
**920-494-9676 800-236-9676**

**SURFACE PREPARATION:** Sand blast recommended, other means of preparation are acid etch, shot blast, mechanical scarification. Surface must be clean, dry and free of dirt, dust or chemical contamination.

**PRIMER:** New concrete, contact Parker Technical Department for information.

**MIXING:** Mix contents of Part A with contents of Part B thoroughly for 3-5 minutes.

**POT LIFE:** 35-45 minutes at 70 deg. F. and 50% R.H.

**APPLICATION TEMPERATURE:** Do not apply when surface temperature is below 50 deg. F.

**CURE TIME:** 5-7 hours tack free at 70 deg. F. and 50% R.H. Allow system to cure for 6-8 hours before topcoating with urethane or subsequent coats of Protech 4400-SLS. Allow a full 24-36 hours of cure of entire system before allowing heavy traffic.

**APPLICATION:** Pour contents of mixture onto floor in a ribbon. Slowly draw ribbon of material across floor using a semi-rigid squeegee or notched trowel. Allow coating to seep into crevices and potholes in floor. Allow coating to cure to 5-10 minutes and rigorously roll over coating with a porcupine roller to release air bubbles caused by air entrapment from potholes. If further bubbles occur during cure, porcupine.

**NOTE:** Do not roll again after one(1) hour of curing has taken place at 70 deg. F. You will produce pull marks in the coating. If substrate is heavily pitted, addition of 1.25# 430 mesh sand per unit will help to fill holes and release air to prevent bubbles.

**RECOATING:** For multiple coats, it is recommended to add 1.25# of 430 mesh sand to the unit while mixing. Apply this material at 20-35 mils making sure to fill potholes and any other imperfections in the floor using application procedures outlined previously. Once the unit has evenly flowed over the floor, broadcast 430 mesh sand over the surface until the finish is dull in appearance. This will give you the profile for the succeeding coat(s) to adhere. Allow this system to cure 6-8 hours before applying succeeding coats. Apply these additional coats according to instructions outlined previously.

**CLEAN UP:** Protech 4400-SLS cured or hardened will stick to practically anything, and is almost impossible to remove. Clean your tools and spills immediately with hot soapy water.

**CAUTION:** It is recommended that the personnel observe good personal hygiene. Certain personnel may be sensitive to various types of resins which may cause dermatitis. Do not use in confined space or closed area without adequate ventilation. This product may be irritating to eyes and skin. Avoid contact with liquid components A and B and keep mortar from touching tool handles and clothes. Use coveralls, goggles, rubber gloves or protective cream. Always wash thoroughly with soap and warm water after use. Should accidental eye contact occur, wash thoroughly with water and consult a physician immediately. US Department of Labor approved material data sheet is available.

**LIMITED WARRANTY:** The Manufacturer warrants this product to be free from defects in material and workmanship under normal use and service for a period of one year of the date of purchase. The Manufacturer's sole liability shall be limited to replacing this product if, within one year of the date of purchase, it is shown to be defective. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS OF PURPOSE. THE MANUFACTURER SHALL NOT BE LIABLE FOR INDIRECT, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY KIND. This warranty shall not be extended, altered or varied except by a written instrument signed by the Manufacturer.