

PROTECH 4100-LNS
LIGHT NONSKID

Technical Data

DESCRIPTION: Protech 4100-LNS is a medium duty non-skid floor surfacer designed for areas demanding a non-skid surface. The chemical resistant qualities are excellent. This quick curing surface gives maximum adhesion to concrete, steel and wood. Caution should be used in areas where an easy to clean sanitary surface is necessary.

RECOMMENDED USES: Factories - creameries - locker plants - canneries - bottling plants - bakeries - cheese manufacturing plants - breweries - meat packing plants - pulp and paper mills

CHEMICAL RESISTANCE:

Ethanol	95% at 75 deg. F.	Good, recommend clean up of spills within 1 hour.
Gasoline	at 75 deg. F.	Good, recommend clean up of spills within 1 hour.
HCl	10% at 75 deg. F.	Excellent, recommend clean up within 8 hours.
HCl	20% at 75 deg. F.	Excellent, not affect after 20 day exposure.
HCl	37% at 75 deg. F.	Excellent, recommend clean up within 72 hours.
Lactic Acid	8.5% and 85% at 75 deg. F.	Excellent, recommend clean up after 8 hours.
Nitric Acid	10% at 75 deg. F.	Good, recommend clean up after 1 hour.
Sodium Hydrx	10%,20%, 50% at 75 deg. F.	Excellent, recommend clean up after 48 hours.
Sulfuric Acid	5% at 75 deg. F.	Excellent, recommend clean up after 72 hours.
Sulfuric Acid	20% at 75 deg. F.	Excellent, recommend clean up after 8 hours.
Phosphoric Acid	85% at 75 deg. F.	Excellent, recommend clean up after 8 hours.

For additional chemical resistance please consult the Parker Technical Department for your specific requirements.

PHYSICAL CHARACTERISTICS:

Compressive strength, ASTM C-579:	7,000 - 9,000 psi
Tensile strength, ASTM D-638:	750 - 1,150 psi
Flexural strength, ASTM D-790:	2,000 - 2,600 psi
Flexural Modulus of Elasticity ASTM D-790:	5.0 x 10 ⁵ psi
Abrasion resistance ASTM D-4060, CS-17 wheel:	0.1 gm. max. wt. loss
Coefficient of expansion ASTM E-831:	4.3x10 ⁵ in/in° C

FINISH: Non-slip, non-skid

VOLUME SOLIDS: 100%

FLASH POINT: Not applicable

SUGGESTED THICKNESS: 3/32" - 1/8"

THEORETICAL COVERAGE: 24 sq. ft.* per batch at the recommended 1/8" thickness. *Material losses during mixing and application vary and must be taken into consideration when estimating job requirements.

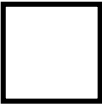
COLORS: Gray, red

PACKAGING: 1 unit = 3 batches

- 1 batch = 1 pint can (short filled) Part A, Activator
- 1 gallon can (short filled) Part B, Base
- 1 box Part C, Colored Sand – 14 lbs.
- 1 box Part D, Colored Sand – 10 lbs.

SHIPPING WEIGHT: 1 unit = 90 lbs.

USDA APPROVAL: Yes



PROTECH 4100-LNS

Application Data

SURFACE PREPARATION: New concrete must have a minimum of 28 days cure, and no curing agents shall be used. Remove oil, grease or other loose foreign material and contaminants. A good bonding tooth is necessary. To provide a bonding tooth, prepare the surface by sandblasting, scarifying, shot blasting or acid etching. Old Concrete - Remove all powdery and weak concrete. Make sure all wax, dirt, grease and other contaminants have been removed. Once the concrete has been cleaned, one of the following methods shall be used to provide proper bonding: shot blasting, sandblasting, scarifying, scabbling or acid etching. All surfaces must be dry before application. Metal surfaces should be cleaned by solvent degreasing followed by abrasive blasting to near white SSPC-10-70 or NACE #2 with a 4 mil minimum anchor pattern or "tooth".

PRIMER: Parker Probond primers. Consult with the Technical Department for your particular application.

CHASING EDGES: Whenever possible, cut or "key" the edges of the areas to be repaired approximately 1/2" deep with a masonry saw. Then trowel the mixture to a smooth transition to the adjoining floor. If the feathered edge method is used, taper the edges approximately 1-2 inches beyond the intended overlay area. For best results, seal keyed edges with Parker Probond 61-CP to insure a more positive bonding tooth to the surface being repaired.

MIXING: Empty the contents of Part A into Part B, thoroughly stir for two(2) minutes. Then empty mixture into mixer pail or mortar box, draining the can for about 1/2 minute. Start the mixer and slowly add Part C. Mix for about three(3) minutes.

POT LIFE: The working life of this mixture is about 20-30 minutes at 70 deg. F. and 50% R.H., so always pour the mixed batches as soon as they are blended.

APPLICATION TEMPERATURE: Material temperature should be 70 deg. F. to 85 deg. F. for at least 48 hours before application. Do not apply when surface temperature is below 50 deg. F.

CURE TIME: The selection of sealer will determine cure time requirements.

APPLICATION: Pour the entire batch onto the floor in a ribbon, approximately 10 inches wide. Spread with a clean trowel, applying pressure to force the mortar into the floor's surface. Finish each batch as you go. If the time lapse between each batch is too long, the trowel may become sticky, causing the mortar to pull and create a porous surface. Keep the trowel clean by wiping with a cloth saturated in P34T Thinner. Do not spill this liquid on the floor surface or the unfinished sections. Once slurry is applied, broadcast 4100-LNS Part D at the rate of approximately one pound per square foot, leaving no trace of wet or shiny spots. Leave a wet edge for the next batch to connect to. When floor can be lightly swept without disturbing imbedded aggregate, sweep up excess aggregate.

SEALING: When the ultimate in chemical and abrasion resistance is necessary or an easy to clean, sanitary surface is a must, Protech 4100-LNS can be sealed with a clear or pigmented Protech 4400-SLS. As soon as the surface is cured enough to walk on use a clean trowel or squeegee and apply a liberal coat of Protech 4400-SLS.

CLEAN UP: Protech 4100-LNS cured or hardened will stick to practically anything, and is almost impossible to remove. Clean all tools and spills immediately with P34T Thinner or hot soapy water.

All technical advice, recommendations and services are rendered by the Seller gratis. They are based on technical data which the Seller believes to be reliable, and are intended for use by persons having skill and know-how, at their own discretion and risk. Seller assumes no responsibility for results obtained or damages incurred from their use by Buyer in whole or in part. Such recommendation, technical advice or services are not to be taken as a license to operate under or intended to suggest infringement of any existing patent.

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. U.S. 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.