

## PRODUCT INFORMATION SHEET COLD RUBBER-UV

### Description:

The Pli-Dek-Cold Rubber-UV two component, liquid applied, asphalt extended aromatic polyurethane waterproofing membrane system. The system utilizes two coats of Pli-Dek-CR-UV with an optional polyester inner-ply mat. This system adheres to asphalt, concrete, wood and metal substrates. It is durable and will provide trouble free waterproofing. It is an elastomeric

with normal structural movements. The Pli-Dek-CR-UV waterproofing system

system has a wide range of uses and is ANSI / NSF 61 approved Potable Water. Make sure to use the

with VOC regulations/requirements applicable as per federal, state, statutory, counties, cities and local bodies at the place of installation.

### Uses:

- Potable Water Containment
- Waterproofing Roofing (with scrim)
- Tank Liner
- Containment
- Reservoirs (with scrim) Pond Liner

### Advantages:

- ANSI / NSF 61 Approved Low VOC
- Seamless
- Economical
- Impervious To Water and Aqueous Chemicals
- Bridges Cracks and Joints

### Packaging:

- 4.5-gallon kit (17 liters): One 1/2 gallon jar, net fill 0.45 gallon (1.70 liters) of Side-A and One 5 gallon pail, net fill 4.05 gallon (15.30 liters) of Side-B

### Clean Up:

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

### Storage:

Primers, base and topcoats have a shelf life of 1 year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

### Coverage Rate:

Pli-Dek-CR-UV (mixture of Side-A and Side-B) at the rate of 2 gallons/100 sqft (0.82 liters/ sqm) or 50 sqft/gallon resulting in 29 ± 2 dry mils (737 ± 51 microns) of membrane.

### Mixing Instructions:

*Do not attempt to mix partial kits.*

**Proper proportioning and homogenization are absolutely critical for success.** Pre-mix each component separately. Mix **Part A and Part B together** thoroughly with a drill mixer. Use care to not entrap air in the mixture. Make sure to scrape the sides and bottom of the pail during mixing.

### Application:

#### ASPHALT/CONCRETE/STEEL/METAL

##### PHASE 1:

Check area of application to ensure that it conforms to the substrate requirements, as stated in the General Guidelines section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply PD CR Primer 2.6 over all joints, cracks and flashing. Bridge joints, cracks, and flashings with 4" (10/16 cm) Straight Jacket Tape pushing it into the PD CR Primer 2.6 with a trowel. Using PD CR Primer 2.6 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of PD CR Primer 2.6 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours. Cracks in asphalt/concrete over 1/8" (0.125 cm) must be filled with PD CR Primer 2.6. Place scrim over crack and apply 10- 20 mils (2.54-5.08 cm). Allow to cure 2 to 4 hours.

New asphalt and new concrete must be cured a minimum of 28 days prior to application.

Old asphalt/concrete must be free of loose aggregate, dirt and be dry. New and old concrete should be Shot-, Water- or Abrasive-Blasted. Grease spots and oil should be cleaned with appropriate cleaners.

##### PHASE 2:

Prime the required surfaces with PD CR Primer 2.1 for metal or concrete surfaces or PD CR Primer for asphalt surfaces at a rate of 1 gallon/300 sqft (0.14 liters/sqm) or 300 sqft/gallon. Apply using a brush or phenolic core roller. This will result in 5 dry mils (127 microns) of coating. \*Note: For rough or porous concrete or when outgassing is a concern, use PD CR Primer EL at an

approximate rate of 1 gallon/200 sqft (0.21 liters/ sqm) or 200 sqft/gallon; this rate may vary on the porosity of the substrate. Allow primer to become tack free before proceeding to Phase 3.

##### PHASE 3:

The first coat of Pli-Dek-CR-UV (a mixture of Side-A and Side-B) should be applied at a rate of 2 gallons/100 sqft (0.82 liters/sqm) or 50 sqft/gallon resulting in 29 ± 2 dry mils (737 ± 51 microns) of membrane. For Roofs, Ponds and Reservoirs immediately embed scrim where required into 10-15 mils (2.54 - 3.81 microns) of wet coating, overlapping each edge a minimum of 1 inch (2.54 cm). Use a dry phenolic core roller to press the scrim into the coating, creating a bond between the coating and the scrim.

On other substrates, skip scrim and proceed to Phase 4. Allow to cure (to touch) before proceeding to Phase 4.

##### PHASE 4:

Apply the second coat of Pli-Dek-CR-UV (mixture of Side-A and Side-B) at the rate of 2 gallons/100 sqft (0.82 liters/ sqm) or 50 sqft/gallon resulting in 29 ± 2 dry mils (737 ± 51 microns) of membrane.

##### FINISHED SYSTEM:

When applied as directed, the Pli-Dek-CR-UV waterproofing system will provide 58 dry mils (1473 dry microns), exclusive of fabric or topcoat, of superior waterproofing. Any optional adhesion test is to be performed seven days after product application.



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## RECOAT:

At 75°F (24°C) and 50% relative humidity, recoating and multiple or second coats must be completed within eight (8) hours of previous applications of Pli-Dek-CR-UV. After this eight (8) hour window, it is necessary to abrade, clean and prime surface prior to recoating. Abrading shall be by grinder or other mechanical means.

## SCRIM:

Optional: Use TietexT272 Polyester Scrim or equal.

## Limitations & Requirements:

If substrates are not clean and dry, Pli-Dek-CR-UV will not have good adhesion

For concrete cleaning see General Guidelines. Concrete/ asphalt: the outside temperature should be in a declining mode (installation should be done in the late afternoon). Coating should be applied at least 5°F (3°C) above the dew point. Concrete must exhibit 3000psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

The only acceptable grade of plywood is APA rated exterior grade or better. The appearance and physical characteristics of the plywood and grade should be considered. Plywood should be new or cleaned and sanded (see general guidelines). UV stable, but the color may fade, chalk and discolor over time.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates are exclusive of additional amounts needed to fill potholes, spallings, scalling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates.

Material mil thickness rates are calculated on theoretical coverage for smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mock-ups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Uncured materials are sensitive to heat and moisture. The substrate must be structurally sound and sloped for proper drainage. Pli-Dek, LLC assumes no liability for substrate defects. Field visits by Pli-Dek, LLC personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

The following conditions must not be coated with Pli-Dek deck coating systems or products: on grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, swimming pools, magnesite, lightweight concrete. Asphalt surfaces and asphalt overlays may be coated with Pli-Dek decking systems if first coated with the Pli-Dek-CR-UV. Do not apply Pli-Dek-CR-UV in wet weather or if rain is imminent. Coating should not become wet within 4 hours after application. Containers that have been opened must be used as soon as possible. Do not dilute under any circumstance.

## Warning:

The products in this system contain Isocyanates and Solvent.

## Technical Data:

Adhesion to Concrete	350 psi
Hardness (ASTM D-2240)	60 ± 5 Shore A
Mullen Burst Strength (ASTM D-751 @ 50 mil)	155 psi
Tear Resistance, Die C (ASTM D-624)	150 ± 50 lbs/in
Tensile Strength (ASTM D-412)	900 ± 100 psi for 100 mil sheet
Ultimate Elongation (ASTM D-412)	450 ± 100%
Total Solids by Weight (ASTM D-236)	Not Available
Total Solids by Volume (ASTM D-2697)	89%
Viscosity at 80F	Not Available
Service Temperature	-60 to 200°F
Volatile Organic Compounds (ASTM D-2369-81)	87 gm/liter
Resistance to Decay (Water Vapor Permeance) (ASTM E-96)	0.06 perm (100 mil sheet)
Resistance to Water (ASTM D-2929)	Not Available

## Warranty:

Please contact Pli-Dek LLC for details.

## Disclaimer:

*\*This information is furnished without warranty, representation, inducement or license of any kind, except sources believed by Pli-Dek LLC to be accurate. Pli-Dek LLC does not assume any legal responsibility for use or reliance on the information supplied here.*

## Technical Assistance:

Contact Pli-Dek LLC for any job specific questions.

Waterproof Deck Coating  
Product Information Sheet –Cold Rubber-UV

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