



### Cold-Fluid Applied Waterproofing Membrane (CR)

The Pli-Dek® Cold Rubber (CR) fluid applied system is a premium heavy-bodied waterproofing membrane with unparalleled performance for horizontal or vertical impervious waterproofing applications. CR is a tough and seamless waterproofing membrane that is an excellent alternative to the hot-applied systems. CR is recommended for below-grade waterproofing, poured-concrete foundations and parged-concrete masonry units (CMU), horizontal elevated concrete, plazas and podiums, and elevated plywood split-slab assemblies.

The CR System offers a variety of installation options to conform to a variety of project requirements:

- Single Coat: 60-120 mils One Coat Application to Horizontal Surface
- Reinforced High Build: Polyester Reinforced, Two Ply Installation, Finished System 120-180 mils
- Vertical Surface Application Up to 55 mils

#### System Benefits:

- Apply Up to 120 mils in a Single Application to Horizontal Surface
- Can be Applied to Green Concrete
- Installed by Certified Contractors
- Solvent Free
- 98% Solids
- Low Odor
- Conforms to ASTM C 83
- Can be Applied as a Component of the HD-250 System

#### Ideal For:

- Plazas • Podiums • Horizontal Elevated Concrete • Poured Concrete Foundations
- Parged Concrete Masonry Units (CMU) • Elevated Plywood Split Slab Assemblies
- Planters

60-180 MILS





# COLD RUBBER (CR)



**Description:**

Cold Rubber (CR) is a solvent free, moisture cure, heavy bodied protective coating designed for horizontal or vertical impervious waterproofing applications. This high build, rubber-like membrane is the ideal solution for a wide variety of uses. CR cures to a monolithic waterproofing film that is a smooth, tough, seamless waterproofing membrane, which is an excellent alternative to hot-applied waterproofing systems.

**Primary Use:**

CR is recommended for below grade foundation waterproofing and horizontal elevated concrete, plaza/podiums, planters, and elevated plywood deck split slab assemblies. CR can be applied over a wide variety of foundations, parged concrete masonry unit (CMU), wall systems and poured in place of concrete decks and precast decks. CR can also be applied to plywood decks.

**Advantages:**

- Solvent Free
- Apply up to 120 mils in a Single Application
- VOC Compliant
- Low Odor
- Seamless Rubber Membrane
- Conforms to ASTM C 836
- Can be Applied to Green Concrete

**Horizontal Application:**

**CR Single Coat** - horizontal waterproofing installation is applied to a minimum of 60 mil wet mil thickness (WMT). CR can be installed in a single layer thickness from 60 mils up to 120 mils. The membrane is installed using a flat squeegee. Contact Pli-Dek Systems, Inc. for specific installations that include a full polyester reinforcement.

**CR Reinforced High Build** - horizontal waterproofing installation is a multi-layer cold fluid applied waterproofing system consisting of a 90 mil fabric reinforced layer followed by an additional 90 mil coat to achieve a total thickness of 180 mils (WMT).

**Vertical Application:**

Vertical waterproofing installation is applied in a maximum of 60 mils per application with fabric reinforcing at all transitions.

**Additional Systems:**

HD-250 (Heavy Duty): The CR System can be installed as a component of the HD-250 System which combines two proven systems over wood substrates. (See HD-250 system data sheet for more info.)

**Clean Up:**

Use waterless hand cleaner for skin. Use mineral spirits or methyl soyate for equipment or construction surfaces.

**Technical Data:**

<b>Total Solids</b> .....	98% (+/-)
(ASTM C 836)	
<b>Solvent Content Wet</b> .....	0%
(ASTM C 836)	
<b>Maximum V.O.C</b> .....	<40g/l
(ASTM C 836)	
<b>Flammability - Wet</b> .....	Non-Flammable
(ASTM C 836)	
<b>Flash Point (Open Cup)</b>	
(ASTM C 836)	
Low Temperature.....	No Cracking
Flexibility.....	No Loss of Adhesion
Adhesion @ -13°F.....	No Delaminating
Crack.....	No Cracking
Crack Bridging.....	No Splitting
<b>Adhesion Peel/Water Immersion</b> .....	Pass
(ASTM C 836)	
<b>Elongation</b> .....	575%
(ASTM D 412)	
<b>Recovery</b> .....	95%
(ASTM D 412)	
<b>Hydrostatic Pressure Resistance</b> .....	No Water Penetration/Infiltration
(ASTM C 1306-95)	
<b>Water Transmission Materials</b> .....	1.3 Perms
(ASTM E 96-B)	
<b>Shore Hardness</b> .....	Min 60

**Product Coverage Chart:**

Product Thickness (WMT)	Sq. Ft. per Gallon
60 mils	25 Sq. Ft.
90 mils	19 Sq. Ft.
120 mils	12 Sq. Ft.
180 mils	9.5 Sq. Ft.

*\*The above are estimates. Coverage rates will vary based on porosity of substrate and application methods.*

**Packaging:**

CR is packaged in 5 gallon pails.

**Limitations:**

Product must be protected by appropriate overlay or protection course. Not intended for use as a permanently exposed surface, although it will tolerate foot and incidental, rubber-wheeled traffic when set. Shelf life of CR is 6 months from date of manufacturing on unopened containers when stored in dry conditions. All substrates should be sloped 1/8" per foot to drain or applicable building code.

**Warranty Information:**

Contact Pli-Dek Systems, Inc. for warranty information.