

## TECHNICAL INFORMATION

### Description:

The Pli-Dek® Cold Rubber High Build 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. The Pli-Dek® Cold Rubber High Build cures to a dried film that is a smooth, tough, seamless rubberized membrane and is an excellent alternative to hot applied waterproofing systems.

### Primary Uses:

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

### Advantages:

- Solvent Free
- Recommend 60+ mils in a single application
- VOC Compliant
- Low Odor
- Seamless Rubber Membrane
- Conforms to ASTM C 836

### Additional Systems Available:

**HD-250 (Heavy Duty)** - waterproofing installation is a multi-layer assembly designed for plywood decks that require masonry or concrete topping. HD-250 provides two layers of waterproofing protection: 1) A durable metal lath reinforced, polymer cement base coat (6000 psi) 2) Installation of the CR-HB (60-120mils) fluid applied membrane. The waterproofing systems minimum thickness will be 250mils and can incorporate a full polyester reinforcement.

**HD-215 (Heavy Duty)** - waterproofing installation is a multi-layer assembly designed for concrete decks that require a masonry or concrete topping. HD-215 provides two layers of waterproofing protection: 1) A durable polymer cement base coat (6000 psi) 2) Installation of the CR-HB (60-120mils) fluid applied membrane. The waterproofing systems minimum thickness will be 215mils and can incorporate a full polyester reinforcement.

### Coverage Rate:

Product Thickness	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 job conditions and application methods.*

### Packaging:

Cold Rubber High Build is available in 5 gallon pails, 55 gallon drums or totes.

### Limitations:

Not intended for use as a permanently exposed surface, although it will tolerate foot and incidental, light, rubber-wheeled traffic when set. All installations should incorporate drainage mat. Contact Pli-Dek® Systems Inc. for details. All substrates should be sloped 1/4" per foot to drain.

### Warranty Information:

Contact Pli-Dek® Systems, Inc. for specific information.

### Technical Assistance:

Pli-Dek® Systems, Inc. or its local authorized representatives are available for technical assistance and/or inspections for the Pli-Dek® line of products.



**COLD RUBBER HIGH BUILD**  
Fluid Applied Waterproofing



## COLD RUBBER HIGH BUILD (CR-HB)

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

### BENEFITS

- Up to 120 mils in a Single Application
- Can be Applied to Green Concrete
- Solvent Free
- 90% + Solids
- Low Odor
- Conforms to ASTM C-836
- Can be Applied as a Component of the HD Systems

## TECHNICAL DATA

BASED ON DRAWN DOWN FILM	COLD RUBBER HIGH BUILD VERTICAL	COLD RUBBER HIGH BUILD HORIZONTAL
Hardness (ASTM D-2240)	45 ± 5 Shore A	30 ± 5 Shore A
Tear Resistance, Die C (ASTM D-624)	35 ± 10 pli 14 ± 2kNm	50 ± 5 pli 8.8 ± .09kNm
Tensile Strength (ASTM D-412)	350 ± 50 psi 3.45 ± 0.3 Mpa	500 ± 50 psi 2.1 ± 0.3 Mpa
Ultimate Elongation (ASTM D-412)	300 ± 50%	300 ± 50%
Specific Gravity	1.23	1.12
Total Solids by Weight (ASTM D-236)	92 ± 3%	95 ± 1%
Total Solids by Volume (ASTM D-2697)	90 ± 3%	94 ± 1%
Viscosity at 80°F (27°C)	40,000 ± 20,000 cps	
Service Temperature	-25°F to 200°F -31.7°C to 93.3°C	
Volatile Organic Compounds (ASTM D-2369-81)	0.83 lb/gal 100 gm/liter	<0.5 lb/gal <60 gm/liter
Resistance to Decay (Water Vapor Permeance) (ASTM E-96)		0.372 perm Pass
Resistance to Water (ASTM D-2929)		No Blistering/No Re-emulsification/Pass

### IDEAL USES:

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

1. Vapor Prime
2. Fluid Applied
3. Reemay
4. Fluid Applied
5. Protection Course
6. Drain Board

