

# CIPADECK<sup>®</sup> Membrane 60 LT

## Polyurethane Waterproofing Membrane

### DESCRIPTION

CIPADECK<sup>®</sup> Membrane 60 LT is a solvent-based low temperature cure high performance two component polyurethane waterproofing membrane.

### WHERE TO USE

CIPADECK<sup>®</sup> Membrane 60 LT is recommended as a waterproofing membrane on balcony decks, rooftop recreational areas, sun decks, pedestrian walkways, plaza decks and plywood decks. A protective coat of CIPADECK<sup>®</sup> T-Coat or CIPADOR<sup>®</sup> E-400 is used for foot traffic applications.

For parking garages or heavy duty vehicular traffic, a fully seeded wear course CIPADECK<sup>®</sup> WC100 must be used to protect the membrane from damage. Two coats are required, the first is fully seeded with 31 mesh silica, and the second is a tie-coat to encapsulate the aggregate using CIPADECK<sup>®</sup> T-Coat or CIPADOR<sup>®</sup> E-400.

### BENEFITS

- high solids coating; contains no TDI
- Flexible to accommodate minor substrate movements
- cures at temperatures down to 5°C (45° F)
- applied in a one coat application of 20 to 30 mils thickness
- good adhesion to primed concrete and steel
- has ample working time

### Handling Properties (Tested @ 23° (74°)

Mix Ratio, by volume .....	10 parts A: 1 part B
Viscosity(Mixed) .....	1500-2000 cps
Solids Content .....	90 %
Mixed Weight (Density).	1.3kg/litre (10.8 lb./US gal)
Pot Life .....	1.5 hours
Foot Traffic .....	16-24 hours
Vehicular Traffic.....	3 days
Full Cure and Maximum Resistance .....	7 days

### DATA - Cured Film

Tensile Elongation .....	310 %
(ASTM D412)	
Tensile Strength .....	3.6 Mpa (522 psi)
(ASTM D412)	
Hardness (Shore A) .....	60
(ASTM D2240-86)	

The above information is representative of actual production runs. Independent test results may vary from the above by approximately ±10%.

### APPLICATION

#### SURFACE PREPARATION

New concrete must be cured for a minimum of 28 days before applying CIPADECK<sup>®</sup> Membrane 60 LT. Surface must be primed using CIPADITE<sup>®</sup> PRIMER E-40 prior to application of CIPADECK<sup>®</sup> Membrane 60 LT. Refer to the data sheet for instructions. The substrate must be clean, dry and free of all dirt, waxes, previously applied coatings, oil, grease, laitance and any foreign matter that may interfere with the bond of the membrane to the substrate. Cracks and surface defects should be repaired prior to application of the membrane. All concrete and steel surfaces to be coated should be shot blast or mechanically cleaned to provide a clean tooth for the coating.

#### DETAILING

Joints or cracks should be repaired prior to application of CIPADECK<sup>®</sup> Membrane 60 LT. Cracks and cold joints less than 1.6mm (1/16") wide should be coated over with the CIPADECK<sup>®</sup> Membrane 60 LT. All cracks and joints greater than 1.6mm (1/16") wide must be routed and sealed with an approved polyurethane sealant. The CIPADECK<sup>®</sup> Membrane 60 LT must be extended a minimum distance of 50mm (2") on either side of all sealed cracks, cold joints and control joints to yield a total film thickness of 20-30 mils dry.

#### MIXING

The mixing equipment used to mix the membrane must be absolutely dry, clean and free of any contaminants that may be present in the equipment from previously used products. Mix component A first to eliminate the possibility of settlement. Immediately pour all of the liquid from Part A and Part B (once Part "B" is opened, it must be used) into the mixing equipment. A 'Jiffy Mixer' or a mud mixer blade on a slow speed drill is the preferred method of mixing. Mix the blended components for a minimum of 2 minutes.

## APPLICATION

Apply CIPADECK<sup>®</sup> Membrane 60 LT to an even thickness using a squeegee and further level using a lint free 5mm nap roller (designed for epoxy and urethane), to achieve a total thickness of 20 to 30 mils. Allow the membrane to cure overnight before applying CIPADECK<sup>®</sup> T-Coat or CIPADOR<sup>®</sup> E-400.

The topcoat should be applied over the membrane within the recoat time (24 hours). Otherwise roughening of surface will be necessary to ensure good intercoat adhesion.

For parking structures the CIPADECK<sup>®</sup> WC100 should be applied over the membrane within the recoat time (24 hours).

## LIMITATIONS

- do not apply CIPADECK<sup>®</sup> Membrane 60 LT if the temperature is near dew point or relative humidity exceeds 80 %.
- not recommended for vehicular traffic without a fully seeded wear course coating such as CIPADECK<sup>®</sup> WC100
- not recommended for exterior parking garages unless a UV-resistant aliphatic polyurethane wear course coating is used.

## COVERAGE

Based on 20 mils thickness per coat:  
1.8 m<sup>2</sup>/litre (72.6 ft<sup>2</sup>/U.S. gallon)

Based on 30 mils thickness per coat:  
1.13 m<sup>2</sup>/litre (44.6 ft<sup>2</sup>/U.S. gallon)

## PACKAGING

CIPADECK<sup>®</sup> Membrane 60 LT is packaged in:  
41.59 litre/11 U.S. gal. unit

## CLEAN UP

Clean all equipment and installation tools immediately with CPD<sup>®</sup> Xylol. Read the M.S.D.S. for this product prior to use.

## STORAGE

CIPADECK<sup>®</sup> Membrane 60 LT Part B will react with humidity and moisture. Keep containers tightly sealed; store upside down. Store in a heated warehouse. Do not freeze.

## SHELF LIFE

Six months from the date of manufacture if kept in original unopened containers under normal heated warehouse conditions.

## SAFETY PRECAUTIONS

Consult Material Safety Data Sheet (M.S.D.S.) for specific instructions. M.S.D.S. #232 & 232A

## WARRANTY

The recommendations made and the information herein is based on our own and independent laboratory experience, and is believed to be accurate under controlled conditions. However, no warranty or guarantee of accuracy is made because we cannot cover every possible application of product nor anticipate every variation encountered in weather conditions, job conditions, methods used and types of surfaces on which the product is applied. The users shall make their own tests to determine the suitability of such products for any particular purpose.

CPD<sup>®</sup> makes no warranties with respect to this product, expressed or implied, including, without limitation, the implied warranties of merchantability or fitness for a particular purpose.

CPD<sup>®</sup>'s liability shall be limited in all events to supplying sufficient product to re-treat and/or repair the specific area to which the CPD<sup>®</sup> product has been applied. CPD<sup>®</sup> reserves the right to have the true cause of any difficulty determined by accepted test methods. CPD<sup>®</sup> shall have no other liability, including liability for incidental, consequential or resultant damages, however caused, whether due to breach of warranty, negligence, or strict liability.

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