

# Technical Data Sheet



**W V C O**

Willamette Valley Company

www.wilvaco.com

800.333.9826

Partnering through service,  
innovation, and integrity

#### WESTERN DIVISION

660 McKinley Street

Eugene OR 97402

Tel. 800.333.9826

#### EASTERN DIVISION

6662 Marbut Road

Lithonia GA 30058

Tel. 888.878.9826

#### MIDWEST DIVISION

1549 Hwy 2

Two Harbors MN 55616

Tel. 218 834 3922

#### SOUTHERN DIVISION

100 Dixie Mae Drive

Pineville LA 71361

Tel. 800 444 9826

# CE-82

## Two-Component Polyurethane for Casting

### DESCRIPTION

CE-82 is a hard, filled, two-component polyurethane compound. The cured compound has excellent physical properties. Some of its uses include casting, prototype part making and potting of electrical components. CE82 is easy to use. It is a non-MOCA or TDI based compound.

### WHERE TO USE

- Industrial Casting Applications
- Potting Electrical Components
- Molding Prototypes

### FEATURES AND BENEFITS

- Low Viscosity – easier pour or injection
- Excellent Physical Properties
- Versatile – meter or hand mixing
- Self-leveling – for use in open top molds

### PACKAGING

- 2-5-gallon pail kits
- 2-Drum kits

### SHELF LIFE

12 months when properly stored.

### STORAGE

Store this product in a clean, dry, shaded or covered environment between 75-95°F (24-35°C). DO NOT FREEZE.

## TECHNICAL INFORMATION

### TYPICAL PROPERTIES

UNCURED		Resin	Iso
Viscosity, centipoise		2100 +/- 500	50 +/- 10
Specific Gravity, g/cc		1.5	1.214
Color		Clear	Pale Yellow
Mix Ratio	By Weight	25	10
	By Volume	20	10

MIXED		
Pot Life –seconds at 77°F (25°C) in 50 g (Slowed pot life material available)		90
Tensile, psi		6100
Elongation, %		75
Hardness – Shore "D" (on fully cured material)		70 +/- 5
Demold Time, minutes		5
Colors		Amber (other available)
Cure Schedule	Room Temperature	7 days
	140° F (60° C)	3 days

## PROCESSING

Small Amounts may be mixed by hand; however, for void-free casting, vacuum degas at 2mm Hg. Machine dispensing eliminates the need for degassing. Contact your Willamette Valley Company representative for metering applications.

---

### CHEMICAL HANDLING

---

CE-82 resin may separate upon standing. Mix prior to use. To avoid contaminating resin or isocyanate with moisture, if available, purge drums with nitrogen before resealing.

---

### HEALTH AND SAFETY

---

Before handling, you should become familiar with the Safety Data Sheet (SDS) regarding the risks and safe use of this product. To obtain an SDS please call 800-333-9826 or send an email to: [msds@wilvaco.com](mailto:msds@wilvaco.com).

---

### CONTACT INFORMATION

---

Please see the side bar on the front page for the Division nearest to your location

#### **WILLAMETTE VALLEY COMPANY**

[www.wilvaco.com](http://www.wilvaco.com)  
[info@wilvaco.com](mailto:info@wilvaco.com)

#### **OTHER DIVISIONS**

##### **PERFORMANCE COATINGS**

1075 Arrowsmith Street  
PO Box 2280  
Eugene OR 97402  
Tel 541.484.9621  
[www.POLYQUIK.com](http://www.POLYQUIK.com)  
[www.wvcorailroad.com](http://www.wvcorailroad.com)

##### **PRECISION TECHNOLOGIES DIVISION**

675 McKinley Street  
Eugene OR 97402  
Tel 541.484.2368  
[www.pre-tec.com](http://www.pre-tec.com)

#### **SUBSIDIARIES**

##### **CANADIAN WILLAMETTE**

19081- 27<sup>th</sup> Avenue  
Surrey BC V3S 5T1  
Tel 800.663.4298

##### **ECLECTIC PRODUCTS INC.**

Corporate Office  
1075 Arrowsmith Street  
Eugene OR 97402  
Tel 541.284.4667  
[www.eclecticproducts.com](http://www.eclecticproducts.com)

##### **IDAHO MILL & GRAIN**

445 North 430 West Hwy  
PO Box 188  
Malad City Idaho 83252  
Tel 208.766.2206

##### **TAPEL WILLAMETTE LTD. S.A.**

Av. Estero La Posada 3625 Parque  
Industrial Coronel  
Coronel Chile  
Tel 011.56.41.2.928.100  
[www.tapel.cl](http://www.tapel.cl)

---

#### **DISCLAIMER OF WARRANTY**

TEST RESULTS ARE TO BE CONSIDERED AS REPRESENTATIVE OF CURRENT PRODUCTION AND SHOULD NOT BE TREATED AS SPECIFICATIONS. WHILE ALL THE INFORMATION PRESENTED IN THIS DOCUMENT IS BELIEVED TO BE RELIABLE AND TO REPRESENT THE BEST AVAILABLE DATA ON THESE PRODUCTS, NO GUARANTEE, WARRANTY, OR REPRESENTATION IS MADE, INTENDED, OR IMPLIED AS TO THE CORRECTNESS OR SUFFICIENCY OF ANY INFORMATION, OR AS TO THE SUITABILITY OF ANY CHEMICAL COMPOUNDS FOR ANY PARTICULAR USE, OR THAT ANY CHEMICAL COMPOUNDS OR USE THEREOF ARE NOT SUBJECT TO A CLAIM BY A THIRD PARTY FOR INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT. EACH USER SHOULD CONDUCT A SUFFICIENT INVESTIGATION TO ESTABLISH THE SUITABILITY OF ANY PRODUCT FOR ITS INTENDED USE.

