

## WrapidSeal™

### Manhole Encapsulation System

Canusa-CPS is a leading manufacturer of specialty pipeline coatings which, for over 30 years, have been used for sealing and corrosion protection of pipeline joints and other substrates. Canusa high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate your specific project applications.

#### Product Description

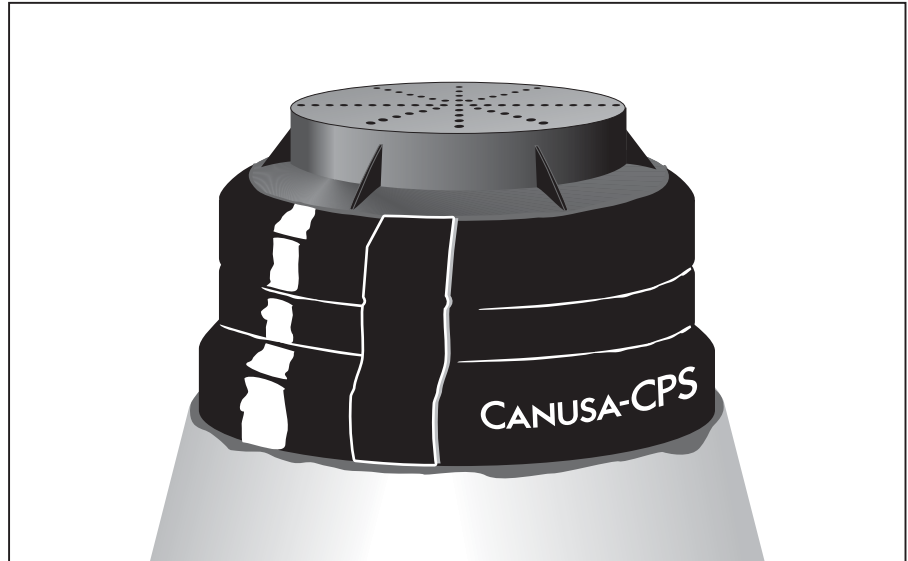
WrapidSeal™ is a wrap around heat shrinkable sheet that has been specifically designed for protection of buried and exposed manhole structures. WrapidSeal™ is supplied in bulk rolls of varying widths and consists of a crosslinked polyolefin backing, coated with a protective heat activated adhesive. A separate closure is used to create a complete sleeve with the adhesive effectively bonding to the substrate, providing corrosion protection and adhesion for the impermeable backing.

#### Features & Benefits

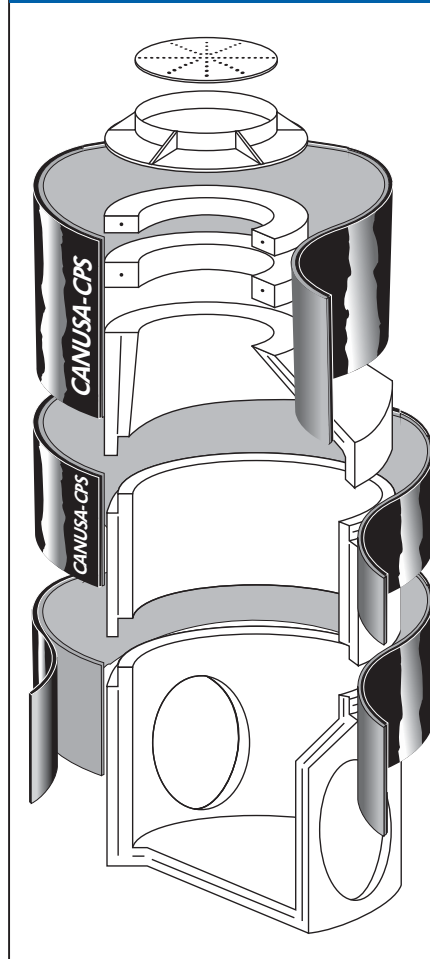
- Heat activated, high shrink membrane  
*Torch applied, shrinks to fit profile.*
- High tensile & elongation  
*Accommodates movement*
- Excellent abrasion resistance  
*Tough product, resists soil stress*
- Bulk roll  
*Fits any size manhole*
- Complete coverage  
*Reduces ground water infiltration.*
- Provides corrosion protection  
*Extends service life.*

#### Long Term Protection





Once installed, the system creates a barrier to water infiltration and effectively protects the manhole support structure and frame from ground moisture, preventing corrosion and freeze-thaw damage. In below grade vaults or concrete lines, WrapidSeal™ is used to minimize water infiltration, reducing dewatering costs and loads on waste water treatment facilities.





#### Applications



#### Applications

-  Manhole Encapsulation
-  Water Pipelines
-  Repair & Rehab
-  Step-Down Joints

#### Configurations

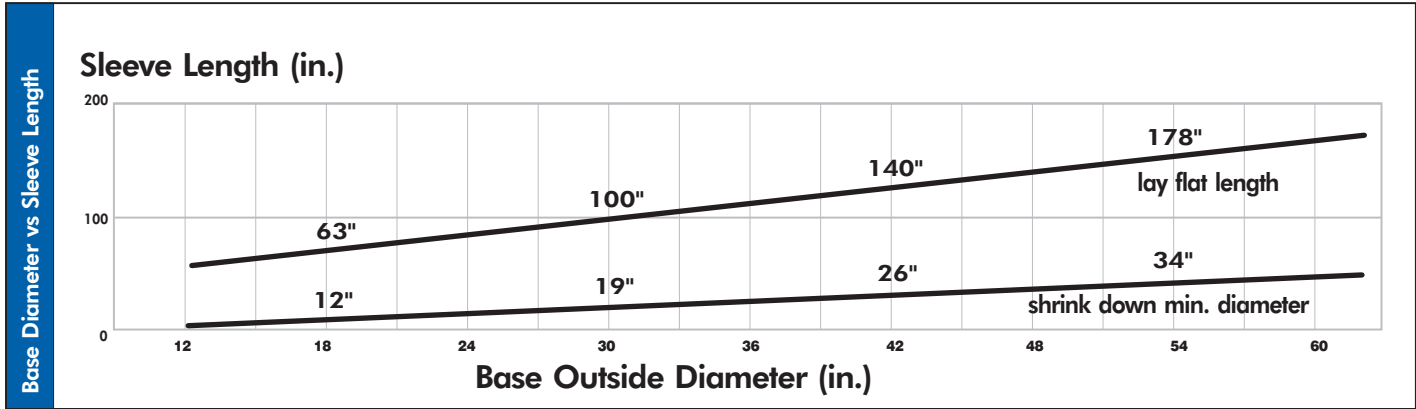
-  High Shrink
-  Multi-Sleeve Kit

#### Pipe Sizes

-  300-1500+ (12-60''+)

## Material Requirements

Size the sleeve such that it wraps around the perimeter of the manhole base plus 150mm (6") overlap. See the table below for length of WrapidSeal™ required.



## Typical Product Properties

	Test Standard	Unit	Results
<b>Adhesive</b>	Softening Point	ASTM E28	°C (°F)
	Lap Shear Strength	DIN 30 672	N/cm <sup>2</sup> (psi)
<b>Backing</b>	Tensile Strength	ASTM D638	MPa (psi)
	Elongation	ASTM D638	%
	Hardness	ASTM D2240	Shore D
	Abrasion Resistance	ASTM D1044	mg
<b>Sleeve</b>	Peel Strength	ASTM D1000	N/cm (pli)
	Water Absorption	ASTM D570	%
	Low Temp. Flexibility	ASTM D2671D	°C (°F)

## Ordering Information & Product Dimensions

WrapidSeal™ is supplied in 12" or 18" widths in 50' long bulk rolls. Closure seals and primer are ordered separately.

Specify the width of WrapidSeal™ required and the number or length and size of closure seals.

## Distribution

Master Distributor in the United States:  
**CCI Pipeline Services**  
 Houston, Texas  
 www.WrapidSeal.com  
 e-mail: sales@wrapidseal.com  
 tel: (281) 350-2100

## Applications

The diagram illustrates the application of WrapidSeal™ on different manhole components, categorized into 'Above or Below Grade' and 'Below Grade'.

- Above or Below Grade:**
  - Cast Iron Frame & Cover:** Prevents Water Infiltration, Accommodates Ground Movement, Protects Against Degradation.
  - Grade Rings:** Prevents Water Infiltration, Accommodates Ground Movement, Protects Against Degradation.
  - Cone Section:** Prevents Water Infiltration, Accommodates Ground Movement, Protects Against Degradation.
- Below Grade:**
  - Pre-Cast Riser:** Prevents Water Infiltration, Resists Soil Stress.
  - Pre-Cast Base:** Prevents Water Infiltration, Resists Soil Stress.
  - Sewer Line:** Prevents Water Infiltration, Resists Soil Stress.



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