

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	A petrolatum tape
<b>Description</b>	<p>Carbowrap Tape is a non-woven bonded synthetic fabric, fully impregnated and coated with natural petroleum based compounds and inert fillers. It is chemically inert, does not polymerize or oxidize, and retains water resistance and dielectric properties over an indefinite period. Three different tapes are available depending on the service temperatures (130 °F [54 °C], 150 °F [66 °C], and 165 °F [74 °C] respectively). Carbowrap Tape is part of the Carbowrap system developed for the protection of metal surfaces in severe environments and difficult to protect applications.</p> <p>The Carbowrap System is designed to be applied over hand or power wire brushed surfaces for above ground, buried, and underwater applications. The typical system involves priming the surface with a paste (Carbowrap Paste), profiling around irregular shapes with a mastic compound (Carbowrap Mastic), and wrapping with a petroleum tape (Carbowrap Tape A, B, C or Marine Tape). An optional overwrap tape (Carbowrap Overwrap) is used for additional mechanical or electrical resistance.</p> <p>*Please consult the data sheets of the additional system products for additional information and instructions.</p>
<b>Features</b>	<ul style="list-style-type: none"> <li>• Contain no VOC's</li> <li>• Resists harsh chemical exposures</li> <li>• Will not crack or harden over time</li> <li>• Application in any weather</li> <li>• Provides an impermeable protective layer</li> <li>• No special tools required for application</li> <li>• Complies with AWWA C217 specification</li> <li>• Provides excellent protection against chemical splash or fume attack</li> <li>• Tensile Strength: 45 lbs/inch</li> <li>• Water Vapor Permeability: 0.12 g/m2 per 24 hours</li> <li>• Service Temperature: 131 °F (55 °C)</li> </ul>
<b>Typical Uses</b>	<p>Carbowrap Tape System is used for the protection of:</p> <p>pipings, valves, pumps, connectors, flanges, bolt heads or any other difficult to protect object.</p> <p>The system is also used in applications where surface preparation is minimal or inadequate for coatings; or where the weather or ambient conditions are such that other methods are not practical.</p>
<b>Primer</b>	<ul style="list-style-type: none"> <li>• Carbowrap Paste</li> <li>• Carbowrap Mastic on irregular surfaces (optional)</li> </ul>
<b>Recommended Thickness</b>	50.0 mils (1270 microns)
<b>Protection Mechanism</b>	<p>The Carbowrap system is very simple in its approach to corrosion control and application for long term service. These petrolatum-based products will totally encapsulate an object such as a pipe or pipe flange and seal it off from atmospheric moisture and oxygen, thereby preventing corrosion of the metal substrate. The petrolatum material is inherently acid and caustic resistance, and has outstanding moisture resistance. The system remains flexible indefinitely and as long as the wrap is not broken exposing the metal substrate, it will continue to perform for extended periods of time.</p>
<b>Topcoats</b>	Carbowrap Overwrap Tape (optional - for additional protection)

SUBSTRATES & SURFACE PREPARATION

General	Remove all contaminants such as dirt, oil, scale, and excessive moisture. Remove all loose paint, rust, or other residue by hand or power tool in accordance with SSPC - SP2 or 3. All surfaces should be evenly coated with Paste to fill any voids or surface irregularities and to ensure good contact of the tape.
---------	---

APPLICATION PROCEDURES

General	<p>The Carbowrap Tape system is applied over minimally prepared steel surfaces (see Substrates and Surface Preparation).</p> <ol style="list-style-type: none"><li>1. The paste is first applied using a stiff brush or hand applied using protective gloves over the entire surface to be protected.</li><li>2. The Carbowrap Profiling Mastic may be used as needed to contour irregular geometries and fill voids that might result in air gaps when the tape is applied. The mastic is packaged as a "block" of material that can be hand-molded and shaped to fit the item being protected (flanges, valves, etc).</li><li>3. The Carbowrap Tape is then applied using a wrapping technique around the substrate (pipe, flange, etc) using a 55% overlap. The edges of the overlap are to be smoothed over to provide a smooth transition and final appearance. The tape may be cut to varying lengths as needed to completely encapsulate the item being protected.</li><li>4. The Carbowrap Overwrap Tape is then applied (optional) to provide an additional barrier to provide a more pleasing appearance, for color, for ease of cleaning (prevents dirt build-up) or to help seal-in the petrolatum material from coming in contact with personnel. (Note: The petrolatum remains soft and has a grease-like feel).</li></ol>
---------	--

PACKAGING, HANDLING & STORAGE

Packaging	<p><b>2" x 33' Roll</b></p> <ul style="list-style-type: none"><li>• # Rolls per Carton: 36</li><li>• Approx. Weight: 60 lbs</li></ul>
	<p><b>3" x 33' Roll</b></p> <ul style="list-style-type: none"><li>• # Rolls per Carton: 24</li><li>• Approx. Weight: 60 lbs</li></ul>
	<p><b>4" x 33' Roll</b></p> <ul style="list-style-type: none"><li>• # Rolls per Carton: 18</li><li>• Approx. Weight: 60 lbs</li></ul>
	<p><b>6" x 33' Roll</b></p> <ul style="list-style-type: none"><li>• # Rolls per Carton: 12</li><li>• Approx. Weight: 60 lbs</li></ul>
Shelf Life	36 months at 75 °F (24 °C)
	Indefinite when kept at recommended storage conditions and in original unopened containers.
Flash Point (Setaflash)	464 °F (240 °C)

### WARRANTY

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. Carboline warrants our products to be free of manufacturing defects in accord with applicable Carboline quality control procedures. THIS WARRANTY IS NOT VALID WHEN THE PRODUCT IS NOT: (1) APPLIED IN ACCORDANCE WITH CARBOLINE'S SPECIFICATIONS, AND/OR (2) PROPERLY STORED, CURED, AND USED UNDER NORMAL OPERATING CONDITIONS. Carboline assumes no responsibility for coverage, performance, injuries, or damages resulting from use of the product. If this product is found not to perform as specified upon inspection by a Carboline representative during the warranty period, Carboline's sole obligation, if any, is to replace the Carboline product(s) proven to be defective or refund the purchase price thereof, at Carboline's sole option. Carboline shall not be liable for any other losses or damages. This warranty excludes (1) labor and costs of labor for the application or removal of any product, and (2) any incidental or consequential damages, whether based on breach of express or implied warranty, negligence, strict liability or any other legal theory. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated. The whole text of this Product Data Sheet, as well as the documents derived from it, have been written in English, and for legal purposes the English version shall prevail.