

PRODUCT NAME : **NEO COVER Shrink Wrap**
 PRODUCT TYPE : **NW 1230 and NW 1250**

1 PRODUCT DESCRIPTION.

Nitto NEO COVER NW 1230 and NW 1250 are super-flexible, heat-shrinkable, crosslinked polyethylene bands designed to protect welded elbows and T-joints on plastic coated steel pipes against corrosion. The product is composed of a molecular-crosslinked polyethylene outer layer and a special butyl rubber based compound inner layer, which activates thermally.

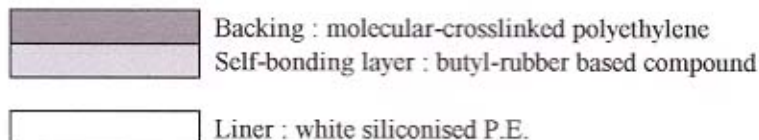
The outer layer ensures mechanical protection. Under the influence of a propane gas flame, the uniform coated inner layer melts and forms, under the pressure of the shrinking PE, a tight and reliable corrosion protective seal.

Basically 2 types are available:

- * NW 1230 : shrink percentage of the sleeve : 30 %.
- * NW 1250 : shrink percentage of the sleeve : 50 %.

2 CONCEPT / CONSTRUCTION.

NW 1230 / NW 1250



3 FEATURES.

1. Provides **excellent waterproof barrier**. When heated, the inside coated adhesive flows and tightly bonds the open sleeve to the pipe, without leaving interstices.
2. Provides **high chemical resistance**. Inert to alkalis, acids and sulphur. (ASTM D 543)
3. NEO COVER NW adds **reliability** to the job.
4. NEO COVER NW is **highly conformable**. The crosslinked polyethylene layer is formulated to be highly flexible so that the NW sheet can conform to complicated shapes of the pipework.
5. Displays **high mechanical resistance** to stress cracking and weathering.
6. Free from pinholes.

4 USES / TYPICAL APPLICATIONS / LIMITATIONS.

1. As corrosion protection of elbows and other accessories on plastic coated steel pipes, transporting fluids and gases.
2. As covering, protection and water sealing of joints on prefabricated, heat-insulated district-heating pipes.
3. As corrosion protection of joints on protective pipes for power and telecommunication cables.

5 IDENTIFICATION / TYPES / SIZES.

	NEO COVER NW 1230	NEO COVER NW 1250
Roll-length (m)	10	10
Roll-width (mm)	50 --> 600	50 --> 600
Thickness at delivery		
backing (mm)	0,4	0,2
adhesive (mm)	0,6	0,8
total (mm)	1,0	1,0

6 TECHNICAL CHARACTERISTICS.

Properties	Unit	NW-1230	NW-1250	Test Method
<i>Tensile Strength</i>	N / 25mm	310	240	ASTM D 1000
<i>Shrink Capacity</i>	%	35	52	-
<i>Elongation</i>	%	300	210	ASTM D 1000
<i>Adhesion to stainless steel</i>	N / 25mm	25	28	ASTM D 1000
<i>to backing</i>	N / 25mm	27	28	ASTM D 1000
<i>Breakdown Voltage</i>	kV	36	23	ASTM D 1000
<i>Volume Resistivity</i>	ohm-cm	1,0 x 10exp14	1,0 x 10exp14	ASTM D 257

Test methods are available on request.

7 INSTRUCTIONS FOR USE.

In order to achieve a reliable seal, the following guidelines are recommended.

- * In order to perform a controllable shrink, it is necessary to keep a free space around the sleeve of 200 - 300 mm.
- * The surface on which you want to apply the NEO-COVER NW must be clean and dry.
- * Before reburying the pipe, make sure that the NEO COVER NW has cooled down completely.

An instruction Manual is available.

8. PACKAGING.

<u>Article Code</u>	<u>Size (W x L)</u> <i>mm x m</i>	<u>Rolls/Carton</u>	<u>Rolls/Layer</u>	<u>Rolls/Pallet</u>
NEO COVER NW 1230	50 x 10	36	288	864
	75 x 10	24	144	432
	100 x 10	24		
	150 x 10	12	72	144
	200 x 10	12	72	144
	250 x 10	6	36	108
	300 x 10	6	36	108
	38 x 10	48		
NEO COVER NW 1250	50 x 10	36	216	648
	75 x 10	24	144	432
	100 x 10	24	240	480
	160 x 10*	12	120	240
	200 x 10*	12	96	192
	250 x 10*	6	36	108
	400 x 10	6	36	72
	500 x 10	4	36	72
600 x 10	4	36	72	

* : standard stock

9 PRECAUTIONS.

All products manufactured by NITTO are guaranteed to be free from defect at the time of shipping when tested according to NITTO specifications. Properties of the products are susceptible to change due to various influences such as composition and condition of the substrate, impurities in or on the substrate, temperature and humidity of storage and the surrounding environment during application, etc. When the NITTO product is used in combination with other materials, the user shall assure by his own tests the compatibility of the NITTO product in the resulting combination and whether the combination results in the expected performance.

10 STORAGE / LIFETIME.

Store in the original packaging in a cool and dark place, humidity (40 to 80 % RH).
Under these conditions the product can be kept for 12 months.

All technical data given is based on averaged results and should not be used for any specification purpose. Detailed description of NITTO's testmethods are available on request.