



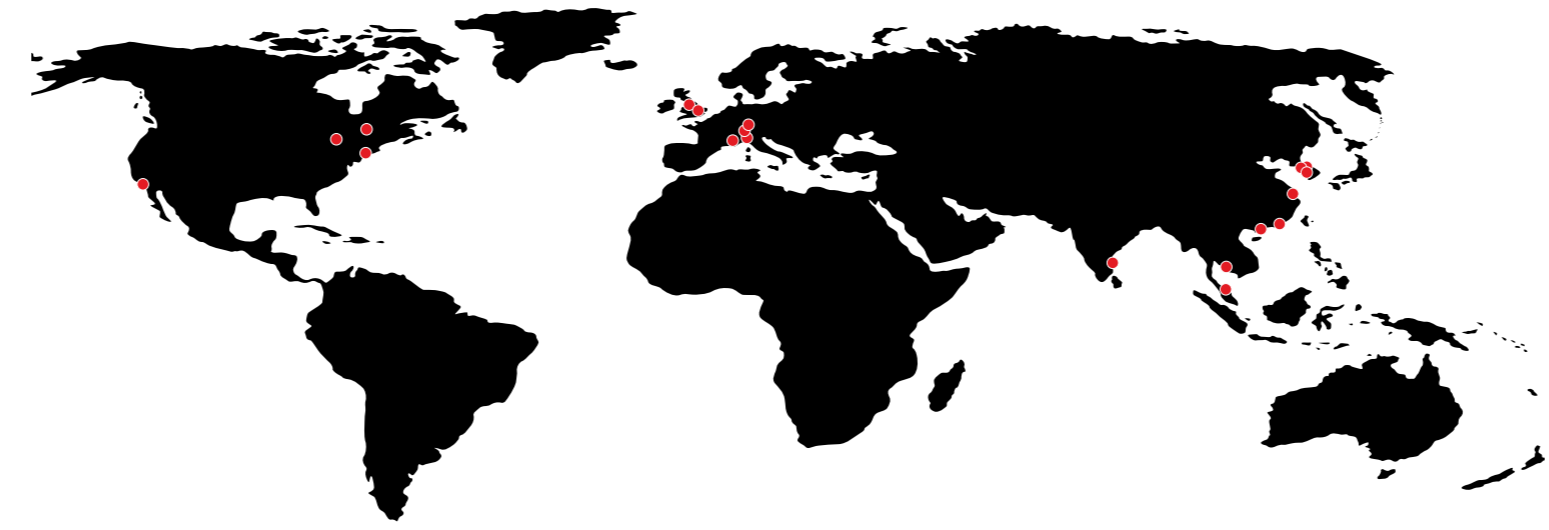
Scapa Tapes for Pipelines

Pipeline Protection for the Long Haul

Scapa Europe  
 Deutschland, Mannheim  
 France, Valence  
 Italia, Ghislarengo  
 Switzerland, Rorschach  
 United Kingdom, Manchester  
 United Kingdom, Dunstable

Scapa North America  
 Canada, Renfrew  
 USA, Inglewood  
 USA, Syracuse  
 USA, Windsor

Scapa Asia  
 China, Hong Kong  
 China, Shanghai  
 China, Schenzhen  
 Korea, Seoul  
 Korea, Chungyang  
 Korea, Anyang  
 Malaysia, Shah Alam  
 India, Chennai  
 India, Mumbai  
 Thailand, Pathumtanee



## Scapa Tapes for Pipelines

Scapa North America is a leading manufacturer of anticorrosion pipeline protection systems and has provided products that meet the rigorous demands of on-land pipelines for more than 25 years.

Scapa RENWRAP® products are designed for application to new construction pipe in both plant and infield settings, as well as the repair and reconditioning of existing pipelines in the oil, gas, and water industries. Our efficient products consistently offer excellent adhesion and shear resistance and operate under a wide range of temperatures.

Scapa adhesive systems are impermeable to water and oxygen, and are compatible with coal tar, fusion bond epoxy, asphalt, and polyethylene pipeline coatings. They have sufficient adhesion and strength to resist soil stress, under-film migration of moisture, environmental stress cracking, and mechanical damage during handling.

**Line Travel**  
 Scapa North America offers products for over-the-ditch line travel applications. The products in this range exhibit aggressive adhesion, operate under a wide range of temperatures, and are resistant to high levels of soil stress.

They form an impermeable barrier to water and oxygen and are resistant to environmental stress cracking caused by elevated temperatures. RENWRAP rockshield products protect coated pipe from the damage that typically occurs during backfilling.

**Joint Wrapping**  
 Our joint wrapping products are specifically designed for handwrapping field joints, fittings, ells, and tees. They maintain adhesion to plastic and FBE pre-coated pipe under a wide range of temperatures and are able to fill voids around irregular shapes. All products are compatible with coal tar, fusion bond epoxy, asphalt, and polyethylene pipeline coatings and provide excellent protection against electrolytic and environmental corrosion.

**Yard Coating**  
 Scapa yard coating products provide excellent adhesion, shear, and low-temperature properties and are resistant to environmental stress cracking. Their tough polyethylene backings provide protection from damage caused by lowering in, backfilling, and soil stress.

For further information please contact your local distributor or Scapa customer care:

<b>Scapa Asia</b>	<b>Scapa North America</b>			
Tel: +852 2439 4330	Tel: +1 860 688 8000			
<b>Scapa Europe</b>				
English	Schweiz	Deutsch	Français	Italiano
Tel: +44 (0) 161 301 7400	Tel: +41 71 844 5680	Tel: +49 (0) 621 470 91-0	Tel: +33 (0) 475 44 80 00	Tel: +39 0161 867 400

Our technical advice whether given verbally, in writing, by way of trials, or in any other manner is to be regarded as an expression of opinion only. Although such advice is given in good faith it shall not be regarded as the basis of or as a representation or statement of fact and this applies also where proprietary or protective rights of third parties are involved. Since we have no control over the use to which you intend to put our products, our advice tendered does not release you from your obligation to test products supplied by us as to their suitability and application. Whilst our products will be of consistent quality their application use and processing must therefore be entirely your own responsibility. Any liability arising in respect of our products will be strictly limited to the value of such products as at the time of delivery and shall not extend to any consequential loss whatsoever and howsoever arising. Freedom from Patent Rights must not be assumed.

[enquiries@scapa.com](mailto:enquiries@scapa.com)  
[www.scapa.com](http://www.scapa.com)





## Coatings

RENWRAP Product	Description	Colors	Total Thickness mils (mm)	Backing Thickness mils (mm)	Adhesive Thickness mils (mm)	Adhesion to Primed Steel <sup>1</sup>		Tensile Strength <sup>1</sup>		Elongation %	Dielectric Strength <sup>1</sup> KV	Dynamic Shear <sup>2</sup> Width kg/cm <sup>2</sup> (psi)	Application
						kg/cm width	lbs./inch width	kg/cm width	lbs./inch width				
300	Low density polyethylene film, calendared with a rubber adhesive.	Black*	10 (0.254) 12 (0.305) 20 (0.508)	7 (0.178) 8 (0.203) 15 (0.381)	3 (0.076) 4 (0.102) 5 (0.127)	1.70 1.90 2.20	9.40 10.90 12.50	4.46 4.46 5.36	25 25 30	150 150 175	11 13 20	- - -	General pipeline utility tape for use on small diameter pipe joints, tees and ells.
308**	Machine applied high/low density polyethylene film, calendared with a butyl rubber adhesive.	Black	15 (0.381) 18 (0.457) 20 (0.508) 25 (0.635)	9 (0.229) 10 (0.254) 12 (0.305) 13 (0.330)	6 (0.152) 8 (0.203) 8 (0.203) 12 (0.305)	3.04 3.04 3.04 3.04	17 17 17 17	7.14 7.14 7.14 7.14	40 40 40 40	250 250 300 300	21 21 22 23	- - - -	Over the ditch or plant applied coating on pipelines. The product is also used on pre-fabricated bends.
308 HS**	Machine applied high/low density polyethylene film, calendared with a cross-linked butyl rubber adhesive.	Black	15 (0.381) 20 (0.508)	9 (0.229) 12 (0.305)	6 (0.152) 8 (0.203)	3.93 3.93	22 22	7.14 7.14	40 40	250 300	21 22	3.57 (20) 3.57 (20)	Over the ditch or plant applied coating on pipelines. The product is also used on pre-fabricated bends.
309 HT/HS**	Machine applied ESCR polyethylene film, calendared with a cross-linked butyl rubber adhesive. The product must be used with RENWRAP HT/HS primer.	Black	20 (0.508)	12 (0.305)	8 (0.203)	4.64	26	8.04	45	275	22	3.57 (20)	High temperature/high shear anti-corrosion pipeline coating for over the ditch or plant applied applications.
330	Low density polyethylene film, calendared with a butyl rubber adhesive.	Black, White & Light Blue	25 (0.635) 30 (0.762) 35 (0.889) 50 (1.270)	7 (0.178) 7 (0.178) 7 (0.178) 10 (0.254)	18 (0.457) 23 (0.584) 28 (0.711) 40 (1.016)	2.50 2.50 2.50 4.11	14 14 14 23	2.50 2.50 2.50 4.11	14 14 14 23	200 225 250 250	14 17 19 26	- - - -	Pipeline joint/handwrap for wrapping field joints, fittings ells and tees.
330L	Low density polyethylene film, calendared with a butyl rubber adhesive. The product is supplied with a release liner to facilitate roll unwinding.	Black, White, Gray & Light Blue	25 (0.635) 35 (0.889) 50 (1.270)	7 (0.178) 7 (0.178) 10 (0.254)	18 (0.457) 28 (0.711) 40 (1.016)	2.20 2.50 4.11	12.50 14 23	3.60 3.60 4.11	20 20 23	250 250 250	19 19 26	- - -	Used for applications where a high bond at the overlap is required in pipeline joint / handwrap for field joints, fittings ells and tees.
331	Butyl rubber adhesive.	Black	35 (0.889)	-	-	Exceeds tensile strength		-	-	>500	-	-	Conforming and filling voids around irregular shapes such as tees, ells, valves and couplings.
350	Perforated polyethylene film for cathodic protection purposes.	Black*	15 (0.381) 20 (0.508) 40 (1.016)	- - -	- - -	- - -	- - -	5.36 6.25 7.14	30 35 40	150 200 200	- - -	- - -	Outerwrap and rock shield. The product is designed for use where a bond to anti-corrosion coating is not required.

<sup>1</sup> ASTM D 1000.

<sup>2</sup> Scapa North America Test Method.

\* Other custom colors available upon request.

\*\* Must be applied using constant tension brakes, applying tension to the tape itself and not the roll core.

## Primers

RENWRAP Product <sup>3</sup>	Description	Colors	Base Adhesive System	Solvent System	Total Solids %	Viscosity	Flash Point
319***	Recommended for machine application to new or smooth pipe services. Promotes high bond to RENWRAP pipeline coatings.	Black	Synthetic rubber and resins	Heptane/Toluene	19	Thin Syrup	-12C (+10F)
327***	Recommended for use on all hand-brush applications with RENWRAP pipeline coatings. Can also be used in machine applications to rough, reconditioned surfaces where a higher solids content is needed.	Black	Synthetic rubber and resins	VM&P Naphtha/Toluene	27	Medium Syrup	-4C (+40F)
327 Aerosol***	Aerosol primer recommended for use on all RENWRAP pipeline coatings. Can also be used in machine applications to rough, reconditioned surfaces where a higher solids content is needed.	Black	Synthetic rubber and resins	VM&P Naphtha/Toluene	27	Medium Syrup	-4C (+40F)
328	Recommended for use with RENWRAP pipeline coatings. Used for non-flammable applications where extreme safety precautions are observed.	Black	Synthetic rubber and resins	Trichloroethylene	11	Thin Syrup	Non-flammable

<sup>3</sup> Also available in high temperature/high shear, available in 1, 5 and 55 gallon units.

\*\*\* Flammable mixtures.

See technical data sheet for further information.

## Outerwraps

RENWRAP Product	Description	Colors	Total Thickness mils (mm)	Backing Thickness mils (mm)	Adhesive Thickness mils (mm)	Adhesion to Backing <sup>1</sup>		Tensile Strength <sup>1</sup>		Elongation %	Application
						kg/cm width	lbs./inch width	kg/cm width	lbs./inch width		
355**	Machine applied polyethylene film, calendared with a butyl rubber adhesive.	White & Black	15 (0.381) 20 (0.508) 25 (0.635) 40 (1.016)	10 (0.254) 15 (0.381) 20 (0.508) 35 (0.889)	5 (0.127) 5 (0.127) 5 (0.127) 5 (0.127)	0.56 0.56 0.56 0.56	3.125 3.125 3.125 3.125	5.36 7.14 7.14 8.04	30 40 40 45	250 300 300 350	Outerwrap and rock shield. The product is designed to protect RENWRAP innerwrap from mechanical damage during lowering-in, backfilling and in-service of pipelines.
355-30**	Machine applied polyethylene film, calendared with a butyl rubber adhesive.	Gray*	30 (0.762)	25 (0.635)	5 (0.127)	0.56	3.125	8.04	45	350	Outerwrap for RENCOAT® 50 and RENCOAT 80 plant applied coating systems.
356*	Machine applied polyethylene film, calendared with a butyl rubber adhesive.	White & Black	25 (0.635)	20 (0.508)	5 (0.127)	0.56	3.125	8.04	45	350	Reconditioning projects to protect RENWRAP innerwrap from mechanical damage during lowering-in, backfilling and in-service of pipelines.
359 HT/HS**	Machine applied ESCR polyethylene film, calendared with a butyl rubber adhesive.	White	20 (0.508)	15 (0.381)	5 (0.127)	0.73	4.06	6.25	35	400	Protective outerwrap for high temperature/high shear anti-corrosion pipeline coatings.
365**	Machine applied polyethylene film, calendared with a butyl rubber adhesive.	White, Black & Light Blue	20 (0.508) 25 (0.635) 30 (0.762)	15 (0.381) 20 (0.508) 25 (0.635)	5 (0.127) 5 (0.127) 5 (0.127)	0.56 0.56 0.56	3.125 3.125 3.125	7.14 8.04 9.82	40 45 55	400 400 400	Pipeline outerwrap specifically designed for use in plant coating operations where controlled applications exist.
366LT**	Machine applied polyethylene film, calendared with a butyl rubber adhesive for low temperature in-service operating conditions.	Black	25 (0.635)	20 (0.508)	5 (0.127)	0.56	3.125	8.93	50	400	Pipeline outerwrap specifically designed for use in plant coating operations where controlled applications exist.

<sup>1</sup> ASTM D 1000. \* Other custom colors available upon request.

\*\* Must be applied using constant tension brakes, applying tension to the tape itself and not the roll core.