

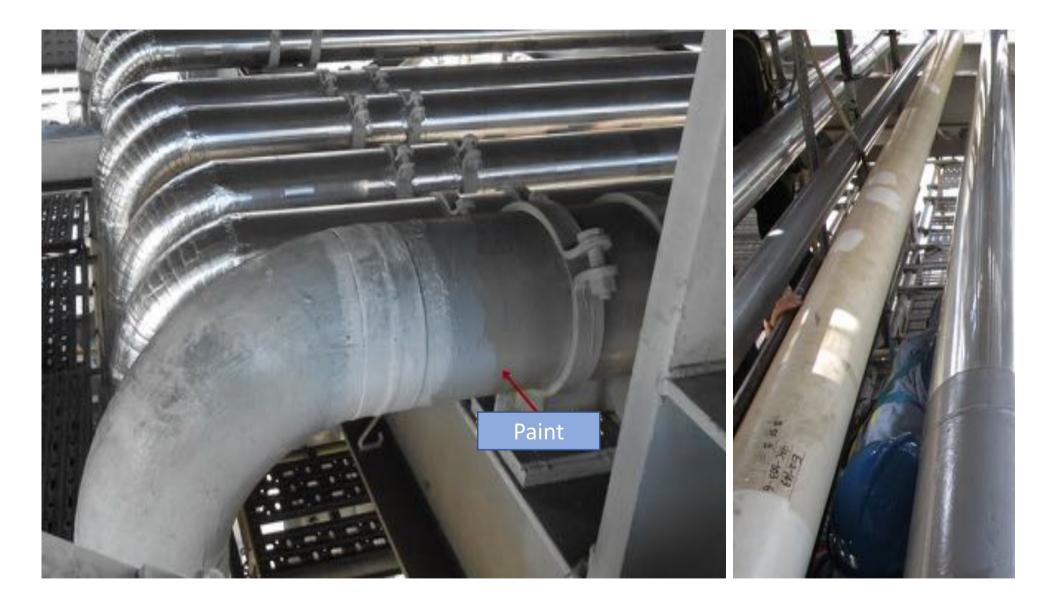




Pipe corrosion







Tape 2S/1233X



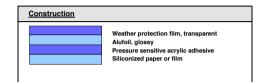


1232 X

Lenzingtex Tape 1233X / 2S

Lenzing Plastics

Lenzing Plastics GmbH & Co KG A 4860 Lenzing, Austria



Technical Details Thickness incl. liner: approx. 0,13 mm ISO 527-3 Elongation: > 50 % Tensile strength: > 65 N/15mm ISO 527-3 Adhesion to steel: > 5 N/10mm **DIN EN 1939** issued 11/96 prEN 14477 Puncture resistance Ø 0,8mm: > 9 N Puncture resistance Ø 3,0mm: > 35 N . prEN 14477 Working temperature: -40 to +120 °C Water vapor permability: <0,01 g/m²/24h ISO 15106-2 ~0,65 ASTM C 1371 Emissivity:

ASTM G 26A ISO 4892-2 Weather resistance testing: Fire rating without adhesive and liner 25/50 ASTM E84-12

Storage: at about 20°C to 30°C and max. 65% humidity

This product is an advanced research product. Technical characteristics are subject to alterations

Characteristics

 superior cold weather adhesion · aggressive tack · exellent high and low temperature performance · water resistant · UV resistant · chemicals resistant · saltwater resistant · very flexible · water vapour barrier · solvent-free

Roll Make Up	
Width:	available up to 1,000 mm

Mat.-Nr.: Doc-Nr.: Edition: 77900014, 77900015,. .. PS003416 / 2 Jän.16







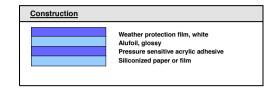
Tape 2W/1236X





Lenzingtex Tape 1336X / 2W





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Roll Make Up

77901376, 77901377. .. PS003415 / 2 Mat.-Nr.: Doc-Nr.: Ausgabe: Jän.16







Width: available up to 1,000 mm

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Acids	Acetic acid	resistant	Chlorinated	Carbon tetrachloride	partially resistant
	50% formic acid	resistant	hydrocarbons	Chlorinated biphenyls	partially resistant
	10% hydrochloric acid	resistant		Chloroform	resistant
	30% hydrochloric acid	partially resistant		Trichloroethylene	resistant
	10% and 35% hydrofluoric	resistant	Esters	Ethyl acetate	resistant
	10% nitric acid	resistant	Hydrocarbons	Aliphatic hydrocarbons	resistant
	65% and 100% nitric acid	not resistant		Benzene	resistant
	30% and 85% phosphoric	resistant		Gasoline (petrol)	resistant
	20% sulphuric acid	partially resistant		Mineral oils	resistant
	Sulphur dioxide gas, dry	resistant		Toluene	resistant
	acid	not resistant		Xylene	resistant
Aldehydes	Acetaldehyde	resistant	Miscellaneous	Chlorine	resistant
	Formaldehyde	resistant	substances	Hydrogen peroxide	resistant
Alcohols	Benzyl alcohol	partially resistant		Oxygen	resistant
	Cyclohexanol	resistant		Water*	resistant
	Ethyl alcohol	resistant	Other organic	Acetone	resistant
	Glycerine	resistant	solutions	Diethylether	resistant
	Glycol	resistant		Nitrobenzene	not resistant
	Isopropyl alcohol	resistant		Phenol	not resistant
	Methyl alcohol	resistant	Salt solutions	Alkaline carbonates	resistant
Aqueous alkaline	Ammonium hydroxide	not resistant		Bichromates	resistant
solutions	Calcium hydroxide	partially resistant		Cyanides	resistant
	Sodium hydroxide	not resistant		Fluorides	resistant



The pipeline close to the cooling tower of the refinery at Qi Dao street has Been corroded within short time.

The reason of corrosion are most probably chemical fume and toxic smoke.

As additional corrosion protection, we recommend to apply Lenzing Jacketing self-adhesive tapes directly on the pipeline.

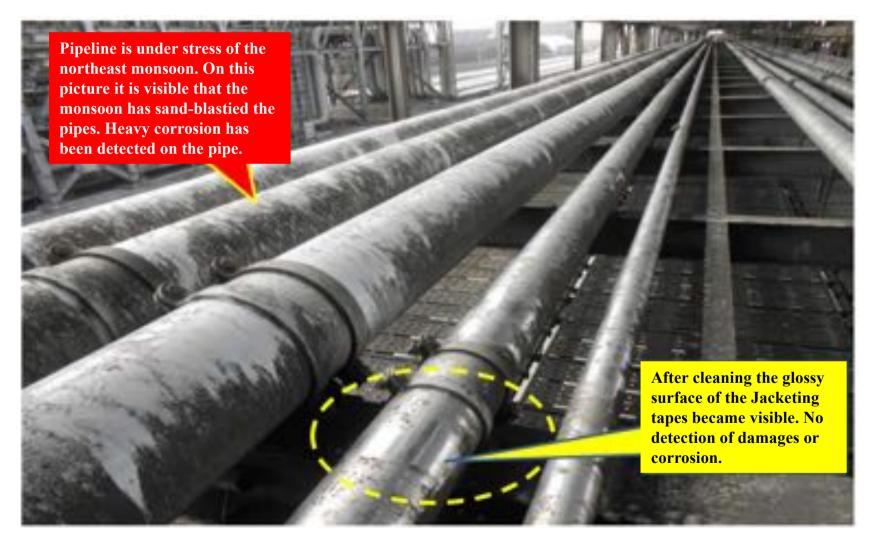
These tapes protect the pipeline from UV-light, water, water vapor and corrosive fumes.

Based on our reviews, we expect that the concerned tapes will protect the pipeline from corrosion for approx. 10 years.

We recommend to test Lenzing Jacketing tapes in silver and white on all concerned pipeline especially in the harbor area.

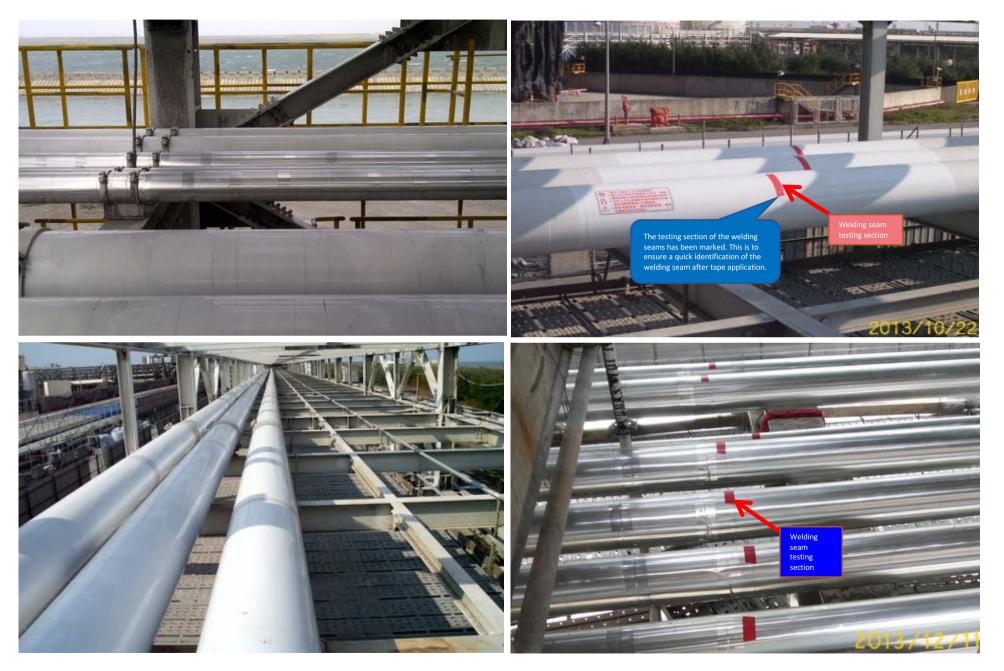


The large pipelines on the left side have been painted and the small pipelines on the right side have been taped. After 2 years approx. 50% of the paint has gone. The taped pipes have been fine without any visible damage or corrosion (department D2B/February 2013)

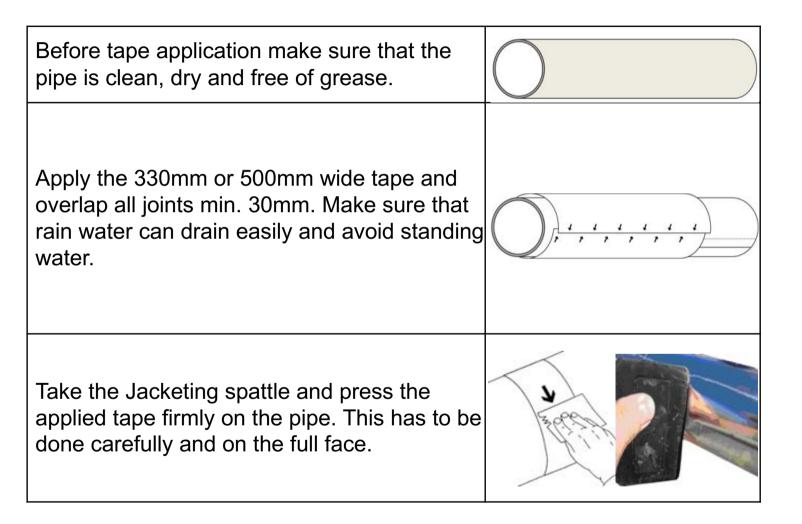


Pipeline Project/Petrochemical Plant/Mai Liao, Taiwan





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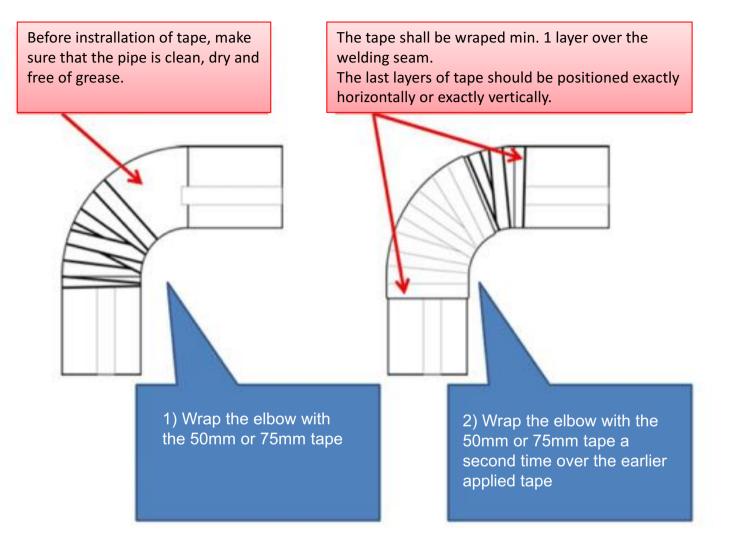
Pipeline Project/Petrochemical Plant/Mai Liao, Taiwan





Installation Manual on Elbows





Finally it is <u>MOST IMPORTANT</u> to take the Jacketing spattle and press the applied tape firmly on the pipe. This has to be done carefully and on the full face.

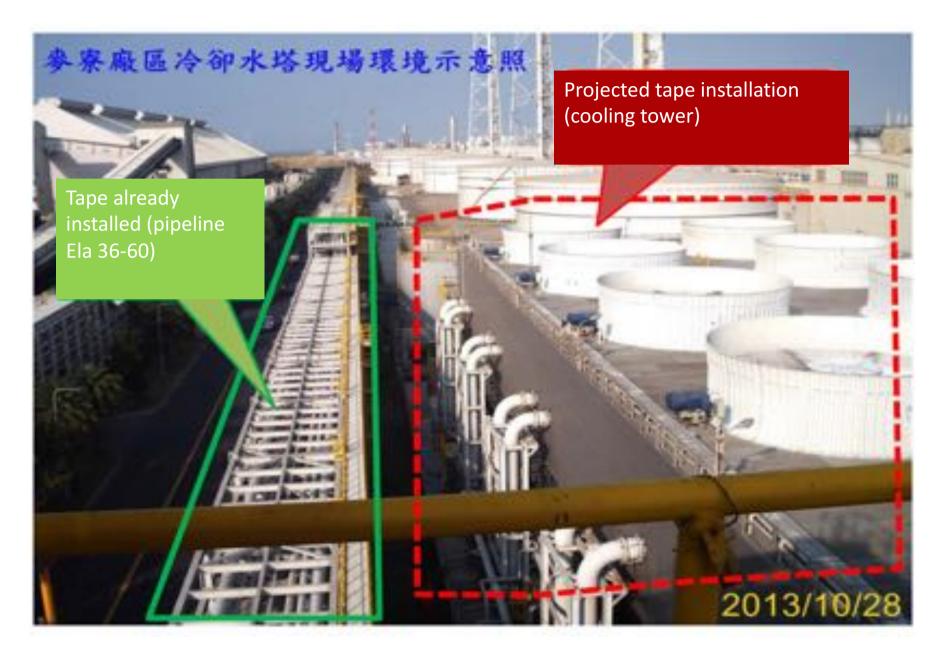
The suggested double-wrapping of elbows and fittings causes double safety. This ensures long-term corrosion protection of the pipe.

Cooling Tower Project/Petrochemical Plant/Mai Liao, Taiwan

Lenzing



Lenzing



Corrosion Protection at Exxon Mobile Refinery in Singapore

Lenzing



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