

Tuboscope – Drill Pipe, Production, Injection & Line Pipe Coatings

	Coating Description	Type	Color	Temperature	Applied Thickness	Primary Service	Primary Application
TK™-2	High temperature, corrosion resistant thin film coating	Phenolic (Liquid)	Maroon	to 400°F (204°C)	5–8 mils (127–203 μm)	Oil, fresh and salt water, sweet corrosion (CO ₂) and organic acids to 400°F (204°C); gas production to 200°F	Production tubing, chemical vessels, flow lines, wellheads (Christmas trees, chokes), acidic and CO ₂ lines, pumps and tools; hydraulic improvement
TK™-7	High temperature, high pressure, enhanced corrosive gas resistant thin film coating	Modified Phenolic (Liquid)	Tan	to 400°F (204°C)	5–8 mils (127–203 μm)	Oil and gas, CO ₂ up to 400°F (204°C) and sour gas to 300°F (149°C) and above depending on CO ₂ and H ₂ S concentration	Production tubing and downhole equipment; hydraulic improvement
TK™-15XT	Chemically resistant thick film coating with enhanced flexibility for use in high wear applications	Modified Novolac (Powder)	Dark Green	to 300°F (149°C)	10–18 mils (254–457 μm)	Oil, natural gas, fresh and salt water, sweet corrosion (CO ₂), mild H ₂ S and alkaline service to pH 12. Paraffin mitigation	Formulated for increased wear resistance. Production tubing, water and CO ₂ injection, disposal wells and flow lines; hydraulic improvement.
TK™-34	Drill Pipe	Epoxy Phenolic (Liquid)	Green	Will withstand all temperatures commonly encountered during drilling provided circulation is maintained.	5–9 mils (127–229 μm)	Natural and synthetic drilling muds and completion fluids	Drill pipe coating for corrosion protection, scale mitigation and hydraulic efficiency.
TK™-34XT	Drill Pipe	Modified Epoxy Phenolic (Liquid)	Blue Green		5–9 mils (127–229 μm)	Natural and synthetic drilling muds and completion fluids	Drill pipe coating for corrosion protection, scale mitigation and hydraulic efficiency. Formulated for increased wear resistance
TK™-34P	Drill Pipe	Epoxy Novolac (Powder)	Green		6–12 mils (152–305 μm)	Natural and synthetic drilling muds and completion fluids	Drill pipe coating for corrosion protection, scale mitigation and hydraulic efficiency.
TK™-44LP	Flexible, thick film coating that provides good temperature performance for line pipe applications	Epoxy (Powder)	Red	to 225°F (107°C)	10–20 mils (254–508 μm)	Line pipe applications including water handling, salt solutions and crude oil	New line pipe and low concentrations of H ₂ S
TK™-70	Highly flexible, thick film corrosion resistant coating	Epoxy (Powder)	Dark Red	to 225°F (107°C)	10–20 mils (254–508 μm)	Subsurface CO ₂ and water handling systems, salt solutions, crude oil and mild mineral acids	New and used tubular goods and line pipe; hydraulic improvement
TK™-70XT	Highly flexible, thick film corrosion resistant coating for use in high wear applications	Epoxy (Powder)	Maroon	to 225°F (107°C)	10–20 mils (254–508 μm)	Subsurface CO ₂ and water handling systems, salt solutions, crude oil, mild mineral acids and artificial lift applications	Formulated for increased wear resistance. New and used tubular goods and line pipe; hydraulic improvement.
TK™-99	Highly flexible, thick film corrosion resistant coating	Epoxy (Powder)	Black	to 225°F (107°C)	12–25 mils (305–635 μm)	CO ₂ fresh and salt water, oil and gas service to 225°F (107°C), and rod pump applications	Tubing and flow lines; hydraulic improvement
TK™-236	High performance corrosion resistant coating, with enhanced corrosive gas resistance	Epoxy Novolac (Powder)	Green	to 400°F (204°C)	7–15 mils (178–381 μm)	High temperature, high pressure sweet and sour oil/gas wells, and CO ₂ tertiary oil recovery systems	Production tubing, downhole equipment, surface equipment and line pipe
TK™-805	High temperature, high pressure corrosion resistant coating with enhanced wear properties	Phenolic Novolac (Powder)	Black	to 350°F (177°C)	6–13 mils (152–330 μm)	Oil, natural gas, fresh and salt water, sweet corrosion (CO ₂), mild H ₂ S, and alkaline service to pH 12. Paraffin mitigation	Formulated for increased wear resistance. Production tubing and downhole equipment; hydraulic improvement.
TK™-900	High performance corrosion resistant coating with maximum wear resistance	Modified Novolac (Powder)	Dark Green	to 300°F (149°C)	7–15 mils (178–381 μm)	Oil and gas, fresh and salt water, sweet corrosion (CO ₂), mild H ₂ S, and alkaline service to pH 12. Paraffin mitigation formulated for abrasion resistance	Formulated for maximum wear resistance. New and used tubular goods and line pipe; hydraulic improvement.

Hydraulic Improvement All coatings provide a smooth and consistent surface finish allowing for improved flow dynamics that can maximize productivity. **Coating Recommendation** Maximum operating temperature and H₂S level will be dependent on total operating environment. Contact a Tuboscope representative for a proper coating recommendation.

Stimulation Fluids When stimulation fluids are charged through the coating, they generally cause little effect if the fluids are flushed completely. A Tuboscope representative should be consulted when a stimulation is planned. **Pressure** Up to yield strength of pipe.

The description of the physical properties of Tuboscope coatings represent typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. These descriptions are supplied as a technical services and are subject to change without notice. Please check with your local Tuboscope representative. For more information concerning advantages, limitations, and selection of coatings, contact Tuboscope's Coating Technical Services at +1 346 223 6146 or your local representative.

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TK™ Coating Plants	Maximum Length	Liquid Coating	Liquid Coating Sizes	Powder Coatings	Powder Coatings Sizes	Phone	Facility Manager
Abu Dhabi, United Arab Emirates	47'	All TK	2" – 24"	All TK	2" – 24"	+971 2 6575600	Maher Sarkis
Amelia North, Louisiana	48'	All TK	1.9" – 14"	All TK	2" – 14"	+1 985 631 1900	Carroll McIntire
Berlaimont, France	48'	All TK	2 3/8" – 13 3/8"	TK-34P & 216	2 1/6" – 13 3/8"	+33 3 2767 6239	Denis Quenolle
Edmond, Oklahoma	45' (42' TK-99)	All TK	2 1/16" – 7"	TK-15, 70, 70XT, 99, 805, 900	2 3/8" – 5 1/2"	+1 405 478 2441	Scott Lee
Gladbeck, Germany	44'	None	N/A	TK-34P, 70, 216, 236	2 – 28"	+49 2043 957090	Thomas Koerner
HHTCC Jiangyin	55'	All TK	1.6" – 16"	All TK	1.6" – 16"	+65 6861 2688	John Walling
HHTCC Qingxian	55' (liquid) & 41' (powder)	All TK	1.6" – 16"	All TK	1.6" – 16"	+65 6861 2688	John Walling
Sheldon, Houston, Texas	48'	All TK	2" – 24"	All TK	2" – 24"	+1 281 783 0111	Bryan Madsen
Houma, Louisiana (Custom)	20'	All TK	>1 1/2"	All TK	>1 1/2"	+1 985 873 7767	Richard Rollins
Midland, Texas	48'	TK-2, 7, 34, 34XT, 69	2 3/8" – 5" (TK-34, 34XT), 2 3/8" – 15" (TK-2, 7, 69)	TK-15, 70, 70XT, 99	1 1/2" – 5 1/2", 1 1/2" – 7" (TK-99)	+1 432 563 1466	Rick Smith
Navasota, Texas	48'	All TK	1 1/2" – 16"	None	N/A	+1 936 870 3680	David Gindratt
Nisku, Alberta, Canada	63'	All TK	1" – 14"	All TK Except 800	1.9" – 14"	+1 780 955 2924	Greg Wujcik
Veracruz, Mexico	48'	All TK	2 1/16" – 24"	All TK	2" – 24"	+52 229 923 3850	Adriana Poches
Odessa, Texas – Rod / OD Tubular	35'	N/A	N/A	TK-15XT, 750, SMP	All Rod Sizes, 2 1/16" – 3 1/2" Pipe	+1 432 362 0581	Joe Yates

API Drift Dimensions for Common Sized Tubing

OD	WT. /FT. (#)	Wall	API Drift	Thin Film Coating	Thick Film Coating	TK-99 Drift
1.900"	2.90	.145"	1.516"	1.496"	1.476"	1.461"
2 1/16"	3.25	.156"	1.657"	1.637"	1.617"	1.602"
2 3/8"	4.70	.190"	1.901"	1.881"	1.861"	1.846"
	5.95	.254"	1.773"	1.753"	1.733"	1.718"
2 7/8"	6.50	.217"	2.347"	2.327"	2.307"	2.292"
	7.90	.276"	2.229"	2.209"	2.189"	2.174"

OD	WT. /FT. (#)	Wall	API Drift	Thin Film Coating	Thick Film Coating	TK-99 Drift
3 1/2"	9.30	.254"	2.867"	2.847"	2.827"	2.807"
	10.30	.289"	2.797"	2.777"	2.757"	2.737"
	12.95	.375"	2.625"	2.605"	2.585"	2.565"
4 1/2"	9.50	.205"	3.965"	3.945"	3.945"	3.905"
	10.50	.224"	3.927"	3.907"	3.887"	3.867"
	11.60	.250"	3.875"	3.855"	3.835"	3.815"
	13.50	.290"	3.795"	3.775"	3.755"	3.735"