

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

	Coating Description	Type	Color	Temperature	Applied Thickness
TK™-2	High temperature, corrosion resistant thin film coating	Phenolic (<i>Liquid</i>)	Maroon	to 400°F (204°C)	5-8 mils (127-203 μm)
TK™-7	High temperature, high pressure, corrosive gas resistant thin film coating	Modified Phenolic (<i>Liquid</i>)	Tan	to 400°F (204°C)	5-8 mils (127-203 μm)
TK™-15XT	Chemically resistant, flexible thick film coating with enhanced wear properties	Modified Novolac (<i>Powder</i>)	Dark Green	to 300°F (149°C)	10-18 mils (254-457 μm)
TK™-34	Drill Pipe, Completion Pipe, Work Strings	Epoxy Phenolic (<i>Liquid</i>)	Green	Will withstand all temperatures commonly encountered during drilling provided circulation is maintained.	5-9 mils (127-229 μm)
TK™-34XT	Drill Pipe, Completion Pipe, Work Strings with enhanced wear properties	Modified Epoxy Phenolic (<i>Liquid</i>)	Blue Green		5-9 mils (127-229 μm)
TK™-34P	Drill Pipe and Completion Pipe	Epoxy Novolac (<i>Powder</i>)	Green		6-12 mils (152-305 μm)
TK™-340XT	Drill Pipe, Completion Pipe, Work Strings with enhanced wear properties	Modified Novolac (<i>Powder</i>)	Dark Green		8-16 mils (203-406 μm)
TK™-70	Highly flexible, thick film corrosion resistant coating	Epoxy (<i>Powder</i>)	Dark Red	to 225°F (107°C)	10-20 mils (254-508 μm)
TK™-70XT	Highly flexible, thick film corrosion resistant coating with enhanced wear properties	Epoxy (<i>Powder</i>)	Maroon	to 225°F (107°C)	10-20 mils (254-508 μm)
TK™-99	Highly flexible, thick film corrosion resistant coating	Nylon (<i>Powder</i>)	Black	to 225°F (107°C)	12-25 mils (305-635 μm)
TK™-236	High performance corrosion resistant coating, with enhanced corrosive gas resistance	Epoxy Novolac (<i>Powder</i>)	Green	to 400°F (204°C)	7-15 mils (178-381 μm)
TK™-500HT	High temperature corrosion resistant coating	Proprietary Thermoset Coating (<i>Liquid</i>)	Tan	to 500°F (260°C)	5-9 mils (127-229 μm)
TK™-805	High temperature, high pressure corrosion resistant coating with enhanced wear properties	Phenolic Novolac (<i>Powder</i>)	Black	to 350°F (177°C)	6-13 mils (152-330 μm)
TK™-900	High performance corrosion resistant coating with maximum wear resistance	Modified Novolac (<i>Powder</i>)	Dark Green	to 300°F (149°C)	7-15 mils (178-381 μm)

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	Sean Langford
Gladbeck, Germany	44'	None	N/A	TK-34P, 70, 216, 236	2-28"	+1 985 873 7767	Richard Rollins
Saudi Arabia Tubular Coating Solutions Ltd (TCSL)	48'	None	N/A	All TK	2"-24"	+966 59 237 6313	Bruce Frost
Sheldon, Houston, Texas	48'	All TK	2"-24"	All TK	2"-24"	+1 281 783 0111	Michael Hill
Houma, Louisiana (Custom)	20'	All TK	>1 ½"	All TK	>1 ½"	+1 985 873 7767	Richard Rollins
Midland, Texas	48'	TK-2, 7, 34, 34XT, 69	2 ¾"-5" (TK-34, 34XT), 2 ¾"-15" (TK-2, 7, 69)	TK-15, 70, 70XT, 99	1 ½"-5 ½", 1 ½"-7" (TK-99)	+1 432 563 1466	Clint Thomas
Navasota, Texas	48'	All TK	1 ½"-16"	None	N/A	+1 936 870 3680	Bryan Madsen
Nisku, Alberta, Canada	63'	All TK	1"-14"	All TK Except 800	1.9"-14"	+1 780 955 2924	Greg Wujcik
Odessa, Texas – Custom	20'	All TK	>1 ½"	All TK	>1 ½"	+1 432 212 3923	Hector Camposano
Odessa, Texas – Rod / OD Tubular	35'	N/A	N/A	TK-15XT, 750, SMP	All Rod Sizes, 2 ¼"-3 ½" Pipe	+1 432 847 6276	Hector Camposano
Veracruz, Mexico	48'	All TK	2 ¼"-24"	All TK	2"-24"	+52 229 923 3850	Adriana Poches
HHTCC Jiangyin*	55'	All TK	1.6"-16"	All TK	1.6"-16"	+86 139 205 61014	Yang Yong
HHTCC Qingxian*	55' (liquid) & 41' (powder)	All TK	1.6"-16"	All TK	1.6"-16"	+86 139 205 61014	Yang Yong

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API Drift Dimensions for Common Sized Tubing

OD	WT. /FT. (#)	Wall	API Drift	Thin Film Coating	Thick Film Coating	TK-99 Drift	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"	3 ½"	9.30	.254"	2.867"	2.847"	2.827"	2.807"
2 ¼"	3.25	.156"	1.657"	1.637"	1.617"	1.602"	10.30	.289"	2.797"	2.777"	2.757"	2.737"	
2 ⅝"	4.70	.190"	1.901"	1.881"	1.861"	1.846"	12.95	.375"	2.625"	2.605"	2.585"	2.565"	
	5.95	.254"	1.773"	1.753"	1.733"	1.718"	4 ½"	9.50	.205"	3.965"	3.945"	3.945"	3.905"
2 ⅞"	6.50	.217"	2.347"	2.327"	2.307"	2.292"	10.50	.224"	3.927"	3.907"	3.887"	3.867"	
	7.90	.276"	2.229"	2.209"	2.189"	2.174"	11.60	.250"	3.875"	3.855"	3.835"	3.815"	
							13.50	.290"	3.795"	3.775"	3.755"	3.735"	