

ASTM FM & UL

	Nominal Sizes (inch)	OD (mm)	Wall Thickness (inch)	Wall Thickness (mm)	Weight (lb/ft)	Weight (kg/mt PE)	FM	UL
Light Wall	1	33,4	0,102	2,60	1,34	1,99	✓	
	1 1/4	42,2	0,091	2,30	1,53	2,27	✓	
	1 1/4	42,2	0,102	2,60	1,71	2,55	✓	
	1 1/2	48,3	0,102	2,60	1,97	2,93	✓	
	2	60,3	0,114	2,90	2,76	4,10	✓	
	2 1/2	73	0,114	2,90	3,52	5,23	✓	
	3	88,9	0,126	3,20	4,54	6,76	✓	
	4	114,3	0,142	3,60	6,60	9,83	✓	
	5	141,3	0,134	3,40	7,68	11,43	✓	
	1	33,4	0,079	2,00	1,05	1,56	✓	
SCH 7	1 1/4	42,2	0,079	2,00	1,34	1,99	✓	
	1 1/2	48,3	0,084	2,13	1,53	2,28	✓	
	2	60,3	0,084	2,13	1,93	2,88	✓	
	2 1/2	73	0,086	2,18	2,67	3,97	✓	
	3	88,9	0,093	2,36	3,38	5,04	✓	
4	114,3	0,108	2,60	4,81	7,16	✓		
SCH 10	3/4"	26,7	0,083	2,11	0,86	1,28		✓
	1"	33,4	0,109	2,77	1,41	2,09	✓	✓
	1 1/4"	42,2	0,109	2,77	1,81	2,69	✓	✓
	1 1/2"	48,3	0,109	2,77	2,09	3,11	✓	✓
	2"	60,3	0,109	2,77	2,64	3,93	✓	✓
	2 1/2"	73	0,120	3,05	3,53	5,26	✓	✓
	3"	88,9	0,120	3,05	4,34	6,46	✓	✓
	3 1/2"	101,6	0,120	3,05	4,98	7,41	✓	✓
	4"	114,3	0,120	3,05	5,62	8,37	✓	✓
	5"	141,3	0,134	3,4	7,78	11,58	✓	✓
	6"	168,3	0,134	3,4	9,30	13,85	✓	✓
	8"	219,1	0,188	4,78	16,96	25,26	✓	✓
SCH 30	1"	33,4	0,114	2,9	1,46	2,18	✓	
	1 1/4"	42,2	0,117	2,97	1,93	2,87	✓	
	1 1/2"	48,3	0,125	3,18	2,37	3,53	✓	
	2"	60,3	0,125	3,18	3,00	4,48	✓	
	2 1/2"	73	0,188	4,78	5,40	8,04	✓	
	3"	88,9	0,188	4,78	6,65	9,92	✓	
	3 1/2"	101,6	0,188	4,78	7,65	11,41	✓	
	4"	114,3	0,188	4,78	8,66	12,91	✓	
	8"	219,1	0,277	7,04	24,70	36,81	✓	
	10"	273,1	0,307	7,8	34,24	51,03	✓	
	12"	323,8	0,33	8,38	43,77	65,20	✓	
	SCH 40	1/2"	21,3	0,109	2,77	0,85	1,27	✓
3/4"		26,7	0,113	2,87	1,13	1,69	✓	✓
1"		33,4	0,133	3,38	1,68	2,50	✓	✓
1 1/4"		42,2	0,140	3,56	2,27	3,39	✓	✓
1 1/2"		48,3	0,145	3,68	2,72	4,05	✓	✓
2"		60,3	0,154	3,91	3,66	5,45	✓	✓
2 1/2"		73	0,203	5,16	5,80	8,64	✓	✓
3"		88,9	0,216	5,49	7,58	11,29	✓	✓
3 1/2"		101,6	0,226	5,74	9,12	13,58	✓	✓
4"		114,3	0,237	6,02	10,80	16,09	✓	✓
5"		141,3	0,258	6,55	14,63	21,79	✓	✓
6"		168,3	0,280	7,11	18,99	28,29	✓	✓
SCH 80	1/2"	21,3	0,147	3,73	1,09	1,62	✓	
	3/4"	26,7	0,154	3,91	1,47	2,20	✓	
	1"	33,4	0,179	4,55	2,19	3,25	✓	
	1 1/4"	42,2	0,191	4,85	3,03	4,49	✓	
	1 1/2"	48,3	0,200	5,08	3,65	5,39	✓	
	2"	60,3	0,218	5,54	5,08	7,55	✓	
	2 1/2"	73	0,276	7,01	7,75	11,52	✓	
	3"	88,9	0,300	7,62	10,35	15,39	✓	
	3 1/2"	101,6	0,318	8,08	12,67	18,82	✓	
	4"	114,3	0,337	8,56	15,20	22,60	✓	
	5"	141,3	0,375	9,52	21,04	31,42	✓	
	6"	168,3	0,432	10,97	28,88	43,05	✓	
8"	219,1	0,500	12,70	44,00	65,41	✓		

EN FM & UL

	OD (mm)	Wall Thickness (mm)	FM	UL
Light Wall	33,7	2,0	✓	
	33,7	2,6	✓	
	42,4	2,0	✓	
	42,4	2,3	✓	
	42,4	2,6	✓	
	48,3	2,0	✓	
	48,3	2,6	✓	
	60,3	2,0	✓	
	60,3	2,9	✓	
	76,1	2,18	✓	
76,1	2,9	✓		
88,9	2,36	✓		
88,9	3,2	✓		
114,3	2,6	✓		
114,3	3,6	✓		
139,7	3,4	✓		

	OD (mm)	Wall Thickness (mm)	FM	UL
EN 10255 Medium	33,7	3,2	✓	
	42,4	3,2	✓	✓
	48,3	3,2	✓	✓
	60,3	3,6	✓	✓
	76,1	3,6	✓	✓
	88,9	4,0	✓	✓
	114,3	4,5	✓	✓
	139,7	5,0	✓	✓
165,1	5,0	✓	✓	

	OD (mm)	Wall Thickness (mm)	FM	UL
EN 10255 Heavy	21,3	3,2	✓	
	26,9	3,2	✓	
	33,7	4,0	✓	
	42,4	4,0	✓	
	48,3	4,0	✓	
	60,3	4,5	✓	
	76,1	4,5	✓	
	88,9	5,0	✓	
	114,3	5,4	✓	
	139,7	5,4	✓	
165,1	5,4	✓		



FIRESIST® FIRE SPRINKLER PIPES



- Borusan Mannesmann is proud to provide excellent service to its customers in the fight against fire with;
- Over 60 years of experience
 - Reliable quality
 - High value added/modern production technology
 - Expert staff
 - Well established sales organization
 - Widest range of UL & FM
 - Wide range of product portfolio
 - Widest range of finishing lines

A leading European producer of steel pipes, Borusan Mannesmann is the choice of customers across Europe, the US and Canada for fire protection sprinkler systems. With its 6 world class facilities in Turkey, Italy and the US; Borusan Mannesmann has active sales in more than 35 countries.

UL listed and FM approved Borusan Mannesmann fire protection pipes offer the most suitable products to its customers; black, galvanized, primer varnished, epoxy coating options and roll grooving, threading & coupling or beveled finishings.

We, as Borusan Mannesmann, will be pleased to provide you endless support in the fight against fire. Please feel free to contact with us: export@borusan.com

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BORUSAN MANNESMANN EPOXY COATED FIRESIST PIPES

A leading European producer of steel pipes, Borusan Mannesmann is moving towards to become a leader in fire protection area with its epoxy coated firesist pipes. Since fire protection measures have become an increasingly vital matter, Borusan Mannesmann helps to save lives with a wide range product portfolio in the area of fire protection pipes.

With a high durability against corrosion (C3++ class), firesist epoxy coated pipes can be used in fire protection systems by customers with a peace of mind.

Borusan Mannesmann Epoxy Coated Firesist Pipes Specifications

- Widest range of UL and FM approval
- Superior epoxy coating (up to 110 micron)
- Corrosion Class C3++
- Available in red (RAL 3000), red brown (RAL3009), gray (RAL7012)
- Wide production range between ½” – 12”
- Production availability acc. to ASTM and EN standards
- Reliable in easy flow light walls (min. 2 mm thickness), light series, medium series and heavy series
- Pressure ratings exceeding 300 psi (depending per size)
- Roll Grooved, Threaded & Coupled or Beveled options
- Custom length options (please contact with us for details)
- Inside weld bead is removed upon request
- Consistent roundness, straightness
- Superior pipe end finishing
- Tight tolerances
- CE certified

Borusan Mannesmann Epoxy Coated Firesist Pipes Advantages

- Compliant to main Projects' Requirements in Europe
- Maintains corrosion resistance
- Firesist Epoxy Coated pipe eliminates field painting
- Consistent coating quality
- Easy to weld & install
- Long-lasting performance
- Perfect product tolerances with Lean 6 Sigma production technique
- Well established sales organization and excellent service (Voice of Customer Management)
- Saves labor, time & cost



BORUSAN MANNESMANN PRIMER VARNISHED FIRE SPRINKLER PIPES

Borusan Mannesmann primer varnished sprinkler pipes provides corrosion protection and protects from atmospheric rust. Primer varnishing is applied to the adherence surface without contamination of dust or dirt etc. Primer varnished pipes provide low overhead costs and saves time, labor and scrap.

Borusan Mannesmann Primer Varnished Fire Sprinkler Pipes Specifications

- Widest range of UL and FM approval
- Varnishing around 20-25 micron
- Available in black (RAL 9005), red (RAL 3000), red brown (RAL3009), gray (RAL7012)
- Wide production range between ½” – 12”
- Production availability acc. to ASTM and EN standards
- Reliable in easy flow light walls (min. 2 mm thickness), light series, medium series and heavy series
- Pressure ratings exceeding 300 psi (depending per size)
- Roll Grooved, Threaded & Coupled or Beveled options
- Custom length options (please contact with us for details)
- Inside weld bead is removed upon request
- Consistent roundness, straightness
- Superior pipe end finishing
- Tight tolerances
- CE certified

Borusan Mannesmann Primer Varnished Fire Sprinkler Pipes Advantages

- Compliant to main Project Requirements in Europe
- Protects from atmospheric rust
- Easy to weld & install
- Perfect product tolerances with Lean 6 Sigma production technique
- Well established sales organization and excellent service (Voice of Customer)
- Saves labor, time & cost



BORUSAN MANNESMANN GALVANIZED FIRE PROTECTION PIPES

With superior zinc coated Borusan Mannesmann Galvanized Steel Pipes; you will maintain corrosion resistance and prevent rusting. Installation of Galvanized Pipe is allowed in wet and dry sprinkler systems.

Borusan Mannesmann Galvanized Pipes Specifications

- Widest range of UL and FM approval
- Wide production range between ½” – 6”
- Production availability acc. to ASTM and EN standards
- Reliable in easy flow light walls (min. 2 mm thickness), light series, medium series and heavy series
- Superior zinc coating (50-55 micron)
- Pressure ratings exceeding 300 psi (depending per size)
- Roll Grooved, Threaded & Coupled or Beveled options
- Custom length options (please contact with us for details)
- Inside weld bead is removed upon request
- Consistent roundness, consistent straightness
- Superior pipe end finishing
- Tight tolerances
- CE certified



Borusan Mannesmann Galvanized Pipes Advantages

- Compliant to main Project Requirements in Europe
- Maintains corrosion resistance
- Prevents rusting
- Long-lasting performance
- Easy to weld & install
- Perfect product tolerances with Lean 6 Sigma production technique
- Well established sales organization and excellent service (Voice of Customer)
- Compatible for use in wet, dry, preaction and deluge sprinkler systems
- Saves labor, time & cost