

## RAYCLAD

### Material requirement guide for Rayclad coatings

PIPE SIZE						ft <sup>2</sup> per 100 lin. ft of pipe	ft <sup>2</sup> of tape per mile	m <sup>2</sup> of tape per km	Lin. ft of tape per 100 lin. ft of pipe	Lin. ft of tape per mile of pipe	Lin. m of tape per km of pipe
Nominal OD inch	DN	Area of pipe		Recommended tape width							
		ft <sup>2</sup> /mile	m <sup>2</sup> /km	inch	mm						
2.375	50	3,297	190.4	3	75	94	4,946	283.7	375.5	19,782	3732.9
2.875	65	3,981	229.9	3	75	113	5,972	342.6	462.0	23,886	4507.9
3.500	80	4,838	279.3	3	75	137	7,257	416.2	549.8	29,028	5476.3
4.000		5,529	319.2	3	75	157	8,294	475.7	628.3	33,174	6259.2
4.500	100	6,220	359.1	4	100	157	8,293	481.9	471.3	24,880	4724.5
5.000		6,912	399.1	4	100	175	9,216	535.6	523.6	27,648	5251.0
5.563	125	7,699	444.5	4	100	194	10,265	596.6	583.2	30,796	5849.0
6.625	150	9,165	529.2	6	150	208	10,998	633.4	416.6	21,996	4167.1
7.625		10,546	603.7	6	150	240	12,655	722.5	479.3	25,310	4753.3
8.625	200	11,929	688.8	6	150	254	13,420	773.2	508.0	26,820	5086.9
10.750	250	14,860	858.0	9	230	317	16,718	963.1	422.2	22,290	4205.7
12.750	300	17,624	1017.6	9	230	376	19,830	1142.1	500.7	26,436	4987.3
14.000	350	19,353	1117.4	9	230	412	21,772	1254.3	549.8	29,030	5477.3
16.000	400	22,117	1277.0	11	280	461	24,328	1402.7	502.7	26,540	5027.6
18.000	450	24,881	1436.6	11	280	518	27,369	1578.0	565.5	29,857	5655.9
20.000	500	27,646	1596.3	11	280	576	30,410	1753.4	628.3	33,175	6284.6
22.000	550	30,410	1755.8	11	280	634	33,451	1928.6	691.1	36,492	6912.5
24.000	600	33,175	1915.5	11	280	691	36,493	2104.0	754.0	39,810	7541.2
26.000	650	35,940	2075.1	11	280	749	39,534	2279.3	816.8	43,128	8169.5
28.000	700	38,704	2234.7	11	280	806	42,574	2454.7	879.6	46,445	8798.2
30.000	750	41,469	2394.4	11	280	864	45,616	2630.1	942.5	49,763	9426.9
32.000	800	44,234	2554.0	11	280	922	48,657	2805.4	1005.5	53,081	10055.2
34.000	850	46,998	2713.6	11	280	979	51,698	2980.7	1068.1	56,398	10683.5
36.000	900	49,763	2873.3	11	280	1037	54,739	3156.1	1131.0	59,716	11312.2
38.000	950	52,527	3032.9	11	280	1094	57,780	3331.4	1193.8	63,032	11940.5
40.000	1000	55,292	3192.5	11	280	1152	60,821	3506.7	1256.6	66,350	12568.8
42.000	1050	58,057	3352.2	11	280	1209	63,863	3682.1	1319.5	69,668	13197.5
44.000	1100	60,821	3511.7	11	280	1267	66,903	3857.3	1383.2	72,985	13825.4
46.000	1150	63,586	3671.4	11	280	1325	69,945	4032.8	1445.2	76,303	14454.4
48.000	1200	66,350	3831.0	11	280	1382	72,985	4208.1	1508.0	79,620	15082.8

Material requirements listed here are based on the recommended tape widths, with a standard one-inch overlap.

Figures do not include field contingency allowances. A minimum 3 percent contingency is recommended.

**To find material requirements for pipe sizes or tape widths not listed in this table, use:**

- W\*A / W-L =** Square ft of tape or mm<sup>2</sup>  
W: tape width (inches/mm)  
A: pipe area (ft<sup>2</sup>/mm<sup>2</sup>)  
L: overlap (inches/mm)