

NAPCA Bulletin 5-69-94

NAPCA SPECIFICATIONS FOR PIPELINE WRAPPERS.

1. General

- a. These specifications may be used in whole or in part by anyone without prejudice, if recognition of the source is included. The National Association of Pipe Coating Applicators (NAPCA) assumes no responsibility for the interpretation or use of these specifications.
- b. These specifications cover the properties of pipeline wrappers to be used as part of a coating system employed above or below ground for the prevention of corrosion.

2. Scope

This specification covers pipeline wrappers used as a reinforcement or protective shield for coal tar coating systems.

3. Requirements

The specifications and tests shown in Table 1, 2 and 3 describe a finished product which can be handled and applied satisfactorily, using good operating practice.

Consolidated Tables	Table 1 Fiberglass Innerwraps (G)		Table 2 Felt (F)		Table 3 Other Outerwraps (O)
	Reinforced	Non-reinforced	Glass Felt(9)	Mineral Felt(10)	Fiberglass(11) Outerwrap
Property					
Weight (lb/100 sqft, min)	0.84(1)	0.84(1)	12(1)	12(1)	1.75(2)
Saturation (%)				22-32(1)	
Ash Content (%)			70(1)	60(1)	
Thickness/Caliper (in,min)	0.013(4)	0.013(4)	0.030(3)	0.018(3)	0.025(2,12)
Tensil Strength (lb/in) (md, md/cd)	13 (1)/4(5)	4 (1)1/4(5)	27 (1) /35(5)	25(1)	25 (1)/15(5) min
Loss of Heating (% , max)			2(6)	10(6)	
Pliability	no cracking(1)	no cracking(1)	no cracking	no cracking	
Elmendorf Tear Strength (md/cd)		0.22/0.22(7)			
Porosity (in. water loss)	0.022(8)	0.022(8)			

(1) ASTM D-146-78a
(4)ASTM D-146, modified
(7)TAPPIT-414 (md/cd)
(10)Coal Tar Saturated
(Heavier available)

(2)Nominal
(5)ASTM-D882 (cd)
(8)ASTM D-737-75modified
(11)Non-Coated

(3)TAPPIT-411
(6)AWWA C-203
(9)Coal Tar Coated
(12)40 mil available