



"If you can imagine it, Nadco will make it stick."

623 (Nuclear Duct Tape)

CONSTRUCTION

Overall Grade/Function: Economy Grade Nuclear

Backing: Waterproof, polyethylene film with a carrier of polyester/cotton blend cloth

Adhesive: Natural rubber

PHYSICAL CHARACTERISTICS	STANDARD		METRIC	
Tensile Strength	27	lbs./in. width	46.54	N/10mm
Adhesion to Stainless Steel	60	oz./in. width	6.46	N/10mm
Thickness	11.5	mils	.292	mm
Elongation	10	%	10	%
Maximum Temperature	200°	F	93°	C

Physical and performance characteristics shown above are obtained from tests recommended by PSTC, ASTM, or government agencies and do not represent a guarantee of product performance. Individual rolls may vary slightly from these averages. The user should determine whether the product is fit for a particular purpose and is suitable for the user's method of application before use.

COLOR(S)

Black (BLK) White (WHI) Silver (SIL)

Red (RED) Yellow (YEL)

APPLICATIONS

Various uses in the construction and maintenance of nuclear power facilities where vapor barrier are essential such as sealing HVAC metal duct work

Holding labels or signs on stainless steel pipes

Color coding

Sealing end caps on stainless steel pipe with outside exposure

PRODUCT BENEFITS

Waterproof Backing Indoor/outdoor usage

High tack adhesive Excellent conformability to many substrates

Good adhesion properties Reduces/eliminates stress cracking in stainless steel pipes

Minimum ppm's of halogens and sulfides

Considered free of mercury, cadmium and other low melting metals, their alloys and/or

compounds

STORAGE & USAGE CONDITIONS

Tape should be stored in its original packaging in a cool, dry area away from direct sunlight and should be used within 12 months of date of shipment. Surfaces to which tape is applied should be clean, dry and free of grease, oil or other contaminants.



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ASME NQA-1 (Replaces ANSI N45.2.2) & NRC Regulatory Guide 1.38

- Product will contain minimum levels of leach able halogens and sulfur.
- Heavy metals such as mercury, lead, copper, and zinc are not known additives.
- Shelf life is 12 months from date of shipment under normal storage conditions.

The chemical analysis for the above product is as follows:

CHEMICAL (ppm)	RESULTS	STANDARD
Metals (Antimony, Cadmium, Copper, Lead, Mercury, Silver, and Zinc)	< 10 ppm (eac	h) < 25 ppm
Sulfur	< 450 ppm	< 500 ppm
Water Leach able Halides		
Water Leach able Chloride	< 95 ppm	< 100 ppm
Water Leach able Fluoride	< 95 ppm	< 100 ppm
Water Leach able Bromide	< 95 ppm	< 100 ppm
Water Leach able Iodide	< 95 ppm	< 100 ppm
<u>Halogens</u>		
Fluorine	< 95 ppm	< 100 ppm
Chlorine	< 475 ppm	< 500 ppm

Test data for included batch number(s):

		0002897006	0002896983
Adhesion	oz/in	67	55
ATB	oz/in	29	26
Stretch	%	8	8
Tensile	pound	22	25
Gauge	mils	11.5	11.8
Date of Mfg.		08/23/2006	08/23/2006