

Product Description

VC700 Smooth is a Heavy Duty Self-Adhering Multi-Layer Zero-Perm Jacketing System. Victory Clad 700 provides the "Ultimate Protection" for ductwork and piping systems. VC 700 is designed to perform in the most demanding applications where High Mechanical Abuse is possible. Victory Clad 700 Zero Perm products have Higher Strength and Higher Punctures Resistance properties than most products on the market. VC700 maintain a Zero Perm and Excellent Weatherproofing providing the ultimate protect against corrosion under insulation (CUI). VC 700 is "Chemical Resistant" with "Self-Cleaning" properties for long term performance and appearance. VC 700 Series can be fabricated like traditional metal jacketing, but faster and easier leading to lower overall costs. The technically advanced adhesive system is suitable for applications in Extreme Temperature conditions (-94 F to +284 F).

Product Data

Item	Value	Standard	Characteristics & Advantages
PRODUCT THICKNESS	16.0 mils		<ul style="list-style-type: none"> • External & internal applications • Proven UV resistance, 10 years+ • Increased puncture resistance • Salt water resistant • Resistant to a range of chemicals • Meets the requirements of FDA & CFIA for direct food contact • Extends serviceable life of infrastructure and lowers maintenance costs
TENSILE STRENGTH	64 lb/in	EN 527-3	
ELONGATION	35% at break	EN 527-3	
WATER PERMEABILITY	0.00 Perm	ASTM F1249 ISO 15106-2	
PUNCTURE RESISTANCE	68 lbs	DIN EN 14477	
SERVICE TEMPERATURE	-94°F to +284°F		
APPLICATION TEMPERATURE	-22°F to +266°F		
UV TESTING	10 Years plus	ASTM G 26A ISO 4892-2	
FIRE RATING	15/35	ASTM-E84 / UL723	
		IMO Resolution MSC 307 (88) (2010 FTP Code)	
	10/40	CAN/ULC-S102	

Product Range & Sizes

Name	Color	Finish	Mils	Width (inches)	Length
VC 700 Ultimate	Aluminum	Smooth	16.0 mils	39	25 Yards
VC 702 Ultimate	White	Smooth	16.0 mils	39	25 Yards
VC 704 Ultimate	Gray	Smooth	16.0 mils	39	25 Yards

Adhesive

"Extreme Weather" Solvent Based Acrylic

Contact Details

North America Manufacturers Representatives:

The Miller Group, Inc.
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Physical & Chemical Stability

Chemical Generic	Chemical Name	Concentration	Resistant	Partially	Not Resistant
Acids	Acetic Acid	All	✓		
	Formic Acid	50%	✓		
	Hydrochloric Acid	10%	✓		
	Hydrochloric Acid	30%		✓	
	Hydrofluoric Acid	10% and 25%	✓		
	Nitric Acid	10%	✓		
	Nitric	65% and 100%			✓
	Phosphoric Acid	30% and 85%	✓		
	Sulphuric Acid	20%		✓	
	Sulphur Dioxide Gas - dry		✓		
	Sulphuric Acid	80% and above			✓
Aldehydes	Acetaldehyde		✓		
	Formaldehyde		✓		
Alcohols	Benzyl Alcohol			✓	
	Cyclohexanol		✓		
	Ethyl Alcohol		✓		
	Glycerine		✓		
	Glycol		✓		
	Isopropyl Alcohol		✓		
	Methyl Alcohol		✓		
Aqueous Alkaline Solutions	Ammonium Hydroxide				✓
	Calcium Hydroxide			✓	
	Sodium Hydroxide				✓
Chlorinated Hydrocarbons	Carbon Tetrachloride			✓	
	Chlorinated Biphenyls			✓	
	Chloroform		✓		
	Trichloroethylene		✓		
Esters	Ethyl Acetate		✓		
Hydrocarbons	Aliphatic Hydrocarbons		✓		
	Benzene		✓		
	Gasoline (petrol)		✓		
	Mineral Oils		✓		
	Toluene		✓		
	Xylene		✓		
Miscellaneous Substances	Calcium Hypochlorite		✓		
	Chlorine		✓		
	Hydrogen Peroxide		✓		
	Oxygen		✓		
	Sodium Hypochlorite		✓		
	Water*		✓		
Other Organic Solutions	Acetone		✓		
	Diethylether		✓		
	Nitrobenzene				✓
	Phenol				✓
Salt Solutions	Alkaline Carbonates		✓		
	Bichromates		✓		
	Cyanides		✓		
	Fluorides		✓		
	Sodium Chloride		✓		

Installation Guide**Surface Preparation**

All surfaces are to be dry, clean free from dirt, dust, grease, oils, silicones and other contaminants. All exposed fibrous insulation should be covered by foil tape and/or matching facing tapes. All tapes should be properly secured to provide a smooth and even surface to allow an even and smooth application of Victory Clad jacketing. All insulation materials must be securely fastened to industry standards to prevent movement or shifting of the insulation material.

Application

Victory Clad 700 is pressure sensitive and requires the use of a plastic squeegee applicator to properly activate the adhesive. Victory Clad requires firm and even pressure is to achieve a permanent bond. When placing the cut piece of Victory Clad into position, partially peel back the liner to allow correct positioning and then rub down using your hand, continue to peel back the liner while applying pressure evenly to prevent or minimize creasing and air pockets. Once the full piece has been evenly applied, use the plastic applicator to apply pressure evenly to the entire surface. Continue with your next piece of Victory Clad making sure you achieve a minimum of a 3" overlap on the previous piece and apply pressure to ensure a strong weatherproof seal. Victory Clad should be applied using standard water shed practices. Ductwork over 24" wide should be pitched to allow proper water drainage. All finished lap and butt joints are to be sealed using the VC600ST seam tape. Detailed installation instructions are available upon request.

Method Statement & Shelf Life Statement

Victory Clad Inc., provides detailed method statements for use in various applications, and are available upon request. These must be referred to prior to commencing work. Shelf life 2 years plus.

Legal Notices

The information and in particular the recommendations relating to the applications and end-use of Victory Clad products are given in good faith based on Victory Clad years of applications and experience and current knowledge of the products materials, substrates and actual Installations. Any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Victory Clad reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the Current Product Data Sheets.