

# COLD FLEX 2000

## HEAVY DUTY PAVEMENT MEMBRANE LIST OF PHYSICAL PROPERTIES

(Applies to both Cold Flex 2000 and Cold Flex 2000 SA)

TYPE OF TEST	PROPERTY	ASTM METHOD	TYPICAL MEASUREMENT	COMMENTS, INCLUDING RELATION TO PERFORMANCE
Dimensions	Thickness	D 1777	.135 in.	
Weight	Weight/ft <sup>2</sup> of Membrane	D 1910	<.8	The weight property reflects the percentage content of fillers.
	Density of compound	E 12	< 70 lb/ft <sup>3</sup>	Cold Flex 2000 has approximately 25% Cold Flex 2000SA has approximately 20%
Brittleness	Brittleness at 77 ° F	D 517	Pass	Low temperature flexibility is critical in states subject to freeze thaw cycles. Low temperature flex should match expected winter lows since underlying pavement is subject to movement at cracks or joints.
	<i>Cold Flex at 0 ° F</i>	D 146 (Modified)	<i>No Cracking</i>	
Strength	Tensile Strength ( <i>machine direction</i> )	D 412	2000 PSI	
Elastomeric Behavior	Elongation at Break of Fabric	D 412	>10 %	This test indicates the degree to which the fabric will stretch while it is absorbing stress.
	Polymeric Reinforcement - ( <i>cycles to failure</i> )		2.1 million	
Product Integrity	Adhesion of Fabric to Compound	D 1000	15 lb./in. width	
	Water Absorption of Compound	D 517	< 1 %	
Resistance of Compound to High Temperatures	Heat Stability @ 190 ° F	N A	pass	This test reflects ability to resist deformation during paving and during the life of the pavement.
	Softening Point	D 36	220 ° F	

POLYGUARD Cold Flex 2000 is furnished in Hot Applied or Self-Adhesive (**SA**) Types.

### DESCRIPTION

POLYGUARD Cold Flex 2000 pavement repair membrane with two layers of high strength polymeric fabric used for backing and reinforcement. The membrane reduces the occurrence and severity of reflected cracks on new overlays. Additionally it waterproofs the underlying crack should a reflective crack occur in the new overlay.

Cold Flex 2000 is manufactured by Polyguard Products, of Ennis, TX. Polyguard has produced corrosion coatings since 1952, and highway pavement membranes since 1971. Our company is the first producer of these materials to obtain registration to the ISO 9001 quality standard, which covers not only product manufacture, but also product development.



This Information is based on our best knowledge, but  
POLYGUARD cannot guarantee the results to be obtained



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As of 9/1/2003 Polyguard Products' quality system has been certified to American, Dutch, and German quality systems requirements:  
• AMERICAN NATIONAL STANDARDS INSTITUTE  
• DUTCH COUNCIL FOR CERTIFICATION  
• DEUTSCHER AKKREDITIERUNGS RAT

## **APPLICATION PROCEDURES**

For application instructions, see separate sheet entitled "POLYGUARD **Cold Flex 2000** HIGHWAY MEMBRANE INSTALLATION INSTRUCTIONS."

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