POLAR INDUSTRIES, Inc.

www.polarindustries.net

PO Box 293
Fisher Branch, MB
R0C 0Z0
Tel: 204-372-8482
Fax: 204-372-8479

Sales Office: 3801 Howell Bend Ct. Oviedo, Fl. 32765 ♦ Tel. (407) 677-6664 ♦ Fax (407) 678-6684

POLAR PREMIUM - 4450 Series - GREEN CORK EPOXY - Non VOC

Applications:
Green cork Epoxy, is a premium quality, two component, Non-VOC, hydrophobic, gloss HiOmega natural oil epoxy coating with organic anhydrides and synthetic rubber mixture or silicone dioxide.
Green Cork Epoxy is designed for application on cork, for thick or thin protective coats.
Green Cork Epoxy provides superb durability, chemical resistance, and washability when applied to properly prepared cork surfaces.

Mixing By Weight
Thin Protective Coating: 4450 Series

Component "A"	Component "B"	Component "C"	
3	1	4	
"A" – Epoxy "B" – Hardener "C" –Cork		Thinner – LMEE NMT 10%	

MIXING INSTRUCTIONS:
Mix each component for 1-3 minutes @ 300 RPM separately (depending on temperature).
Blend in "A" and "B" and stir for 1 minute. Mix "A+B" with "C", 50-50
Blend in "C" and stir 1 minute or until thoroughly mixed.
The optimal processing temperature is given $12^{\circ}C \leq T_P \leq 30^{\circ}C$.
All devices can be cleaned by acetone or a water/acetone mixture.

POLAR PREMIUM - 4450 Series
GREEN ROOF EPOXY - Non VOC

Properties	Unit	Value	Measure Method
Pour Point	˚C	-10	Factory Prescription
Kin. Viscosity by 23˚C	mm²/s	1344	DIN 53 019
Density sp. Weight	g/cm³	1069	DIN EN ISO 3675
Working Temperature	0˚F	55-77	
Gel time by 23˚ C (1.5 kg accretion)	min	55	According application
Curing Time	day	Approx 7 days	According application
Set Time	hours	< 1 day	
Durability of Chemical Component "A" "B"	 Month Month	 24 Approx 6	20˚C in PE container

RESISTANCE AGAINST CHEMICALS

Agent	Findings	Agent	Findings
Solvents		**Salts**	
Gasoline	r	NaC1 3 %	r
(Bio) Diesel	r	NaC1 Saturated	r
Methanol	r	CaC12 Saturated	r
Acetone	swelling		
Acids		**Lyes**	
HC1	r	NaOH	slow saponification
H3PO 4	r		
HCOOH	r		
CH3COOH	r		
H2SO4	oxidation	KOH	slow saponification
HNO3	oxidation		

r = resistant

DISPOSAL
Remains can be chopped up and be composted or burned.

SAFETY PRECAUTIONS
Wear protective clothing (including gloves and goggles).
Wash with soap/water or acetone/water after handling.