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POLAR PREMIUM - 4440 Series - GREEN FLOOR EPOXY - Non VOC

Applications:

Green Floor Epoxy, is a premium quality, two component, Non-VOC, hydrophobic, gloss HiOmega natural oil epoxy coating with organic anhydrides and synthetic rubber powder mixture. Green Floor Epoxy is designed for application on floors, decks, garage floors. Green Floor Epoxy provides superb durability, chemical resistance, and washability when applied to properly prepared masonry, concrete, hardboard and wood. Green Floor Epoxy is available in gray and black and can be tinted to a wide variety of custom colours.

Mixing By Weight: 4440 Series

Component "A"	Component "B"	Component "C"	Component "D"	Tint to Choice NMT 3%
3	1.8 -2	0.5	7.2 – 11.2	
"A" – Resin "B" – Hardener "C" – Thinner "D" – Rubber Mixture		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.
Blend in "C" and stir for 1 minute. Blend in "D" evenly over 2-3 minute time span.
The optimal processing temperature is given by $12^{\circ}\text{C} \leq T_p \leq 30^{\circ}\text{C}$.
All devices can be cleaned by acetone or a water/acetone mixture.

Properties	Unit	Value	Measure Method
Pour Point	°C	-10	Factory Prescription
Kin. Viscosity by 23°C	mm ² /s	1344	DIN 53 019
Density sp. Weight	g/cm ³	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" "C"	Month Month Month	24 Approx 6 24	20°C in PE container

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RESISTANCE AGAINST CHEMICALS			
Agent	Findings	Agent	Findings
Solvents Gasoline (Bio) Diesel Methanol Acetone	r r r swelling	Salts NaCl 3 % NaCl Saturated CaCl ₂ Saturated	r r r
Acids HCl H ₃ PO ₄ HCOOH CH ₃ COOH H ₂ SO ₄ HNO ₃	r r r r oxidation oxidation	Lyes NaOH KOH	slow saponification slow saponification
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.			