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**POLAR PREMIUM - 4080 Series**  
**GREEN EPOXY FOR CARDBOARD & WOOD - Non VOC Oil Based Epoxy**

**Applications:**

Green Coat, VOC Free Epoxy is a premium quality, two component, Non-VOC, hydrophobic, gloss HiOmega natural oil epoxy coating with organic anhydrides.

Green Coat is designed for application on cardboard and wood.

Green Coat provides superb durability, chemical resistance, and washability when applied to properly prepared cardboard and wood.

Green Coat is available in clear and white and can be tinted to a wide variety of custom colours.

**Mixing By Weight – 4080 Series**

Component “A”	Component “B”	Tint to Choice NMT 3%
2.6	1	
“A” – Resin “B” - Hardener		Thinner – LMEE NMT 10%

**MIXING INSTUCTIONS:**

Mix each component separately 1- 3 minutes depending on temperature. Then blend A & B together.

The components “A” and “B” are stirred together with a slow running agitator by 300 rotations per minute.

The optimal processing temperature is given by  $12^{\circ}\text{C} \leq T_p \leq$ .

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 <sup>2</sup> /s	1344	DIN 53 019
Density sp. Weight	g/cm <sup>3</sup>	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

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<b>RESISTANCE AGAINST CHEMICALS</b>			
<b>Agent</b>	<b>Findings</b>	<b>Agent</b>	<b>Findings</b>
<b>Solvents</b> Gasoline (Bio) Diesel Methanol Acetone	r r r swelling	<b>Salts</b> NaCl 3 % NaCl Saturated CaCl <sub>2</sub> Saturated	r r r
<b>Acids</b> HCl H <sub>3</sub> PO <sub>4</sub> HCOOH CH <sub>3</sub> COOH H <sub>2</sub> SO <sub>4</sub> HNO <sub>3</sub>	r r r r oxidation oxidation	<b>Lyes</b> NaOH  KOH	slow saponification  slow saponification
r = resistant			
<b>DISPOSAL:</b> Remains can be chopped up and be composted or burned.			
<b>SAFETY PRECAUTIONS:</b> Wear protective clothing (including gloves and goggles). Wash with soap/water or acetone/water after handling.			