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Polar Premium 4740 - Line Pipe Epoxy - Zero VOC

Applications:

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

Line Pipe Epoxy is intended for use as a protective coating for standard ferrous metal pipes as well as nonferrous metal alloy and steel pipes.

Line Pipe Epoxy provides superb durability, chemical resistance, and washability.

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

Mixing By Weight -

| Component "A" | Component "B" | Component C (Optional) | Tint to Choice NMT 3% |
|-------------------------------|---------------|---|-----------------------|
| 2.7 | 1 | 45 % fiberglass filler (recycled if possible) | |
| "A" – Epoxy "B" – Hardener | | Thinner – LMEE NMT 10% | |

| Properties | Unit | Value | Measure Method |
|--|--------------------|----------------|-----------------------|
| Pour Point | °F | 14 | 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 | °F | - 40 to 120 | |
| 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 |

MIXING INSTRUCTIONS:

Mix each component for 1-3 minutes @ 300 RPM separately (depending on temperature).

The components "A" and "B" are stirred together with a slow running agitator by 300 rotations per minute for 1 minute. Add optional component "C", fiberglass, after A and B are thoroughly mixed.

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.

| 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.