



2035 Regency Road, Suite 5. Lexington, Kentucky 40503

Ph: 800-928-COAT Fax: (606) 278-4973

E-Mail: homerhartepc@aol.com

SPEC/DATA

PolyFlo

PRODUCT DESCRIPTION

PolyFlo is 100% solids, state of the art, plural component pure Polyurea 100 elastomeric membrane. This seamless system exhibits extraordinary performance characteristics. Polyurea is based on amine-terminated polyether resins, amine chain extenders and MDI prepolymers. This membrane achieves an extremely tough, flexible, chemical and abuse resistant finish for a wide range of applications. Poly-Flo has no VOC's

ADVANTAGES

- Smoother finish
- Higher elongation ,greater flexibility.
- Almost instant gel time
- Fast cure, can be handled/walked on in 1 minute or less.
- Can be built up to any thickness in one application.
- Seamless and flexible.
- Application at -20 F to 300 F.
- Resists thermal shock.
- No VOC's.
- Waterproofing
- USDA Approved.
- Resistant to many chemicals.

USES

- Containment areas
- Street Light Poles
- Earthen Containment
- Pipe Coating
- Floor & Wall Systems
- Cold Storage Areas
- Waste Water.
- Tank Linings
- Cooling Towers Liners
- Pulp & Paper Mills
- Industrial Plants
- Mechanical Rooms
- Aquariums
- Fertilizer Plants
- Petrochemical Facilities

APPLICATIONS

Correct equipment is critical to the installation. Use only 1:1 ratio, heated plural component equipment, similar to the H-2000, H-3500, and the new H-20/35 series with a GX7, GX7-400, consult a EPC representative for more information. Poly-Flo must be sprayed at a minimum of 2000 psi and 160 F at the gun

INSTALLATION

Consult EPC for an approved applicator and for job specifications. Apply to clean dry sound surfaces free of loose particles or other foreign matter. Consult EPC for surface preparation and repair procedures.

LIMITATIONS

- Intended for industrial use
- PolyFlo is an aromatic, Although physical properties will not change, over a period of time color change will occur.
- Consult EPC for corrosive environmental applications.
- Do not install in moisture/vapor conditions>3 Lbs. MVT>5%. Moisture content.
- Primer may be required.
- Refer to MSDS, Instruction Sheet and Product Labels.
- Avoid moisture contamination in containers.

PHYSICAL PROPERTIES	TEST METHOD	VALUE
Elongation	D-638	250%
Tensile Strength	D-638	2500 psi
Shore Hardness	D-2240	D-51
Tear Strength	D-624	450 pli
Moisture Vapor Transmission	E-96	0.02 perm
Abrasion Resistance (wt. Loss mg)		
1000g 1000 rev. H-15	D-4080	230mg
1000g. 1000 rev. cs 17	D-4080	6 mg
100 Modulus (psi)	D-638	1600 psi
100 Modulus (psi)	D-638	2100 psi
Coefficient of Thermal Expansion	C-531	4x10/3 (In/In/C)
Flash Point, components		>200 F
Flame Spread	E-108	Class A (Comparable to UL 790)
Gel Time / Tack Free		4 to 12 seconds
Flexibility Testing	D-2794	>160 in-Lbs
Mandrel Bend		
Conical Bend (on 1/32" steel panels)	D-522	Pass
1/4" Mandrel 25 C (free film 30-50)	D-1737	Pass
1/4" Mandrel -20 C (free film 35-50)	D-1737	Pass