

POLYGLASS® TECNOCOAT CP-2049

TWO-COMPONENT, FAST-SETTING, HAND-APPLIED POLYUREA MEMBRANE DESIGNED FOR SUPERIOR WATERPROOFING AND TRAFFIC COATING APPLICATIONS

PRODUCT DESCRIPTION

Engineered for durability and integrity under mechanical stress, it offers exceptional chemical resistance and elasticity, even in extreme conditions. Its seamless and fully bonded, creating a monolithic membrane ideal for a variety of surfaces and industries.

FEATURES AND BENEFITS

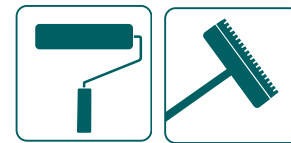
- 80 mils
- Dry time 3 hours
- Easy to repair
- Low VOCs
- System application 40°F and rising
- Pot life: 20–25 minutes
- Coverage @ 80 mils WFT 20 ft²/gallon (62 ft²/kit)
- Adheres to a wide variety of substrates
- Can be used in exposed applications with top coat
- Roller or Squeegee applied

TECHNICAL DESCRIPTION

Property	Test Method	Typical Result
Tensile strength	ASTM D412	1,000 psi
Elongation at break	ASTM D412	500 %
Hardness	ASTM D2240	92
Tear strength	ASTM D624	400 pli
Water vapor transmission	ASTM E96	0.18 g/m ² /day
Taber abrasion	ASTM D4060	105 mg
Crack Bridging	ASTM C1305	Pass
Heat aged extension	ASTM C1522	Pass
Liquid Applied Waterproofing	ASTM C836	Pass
Adhesion to Concrete	ASTM D4541	275 psi
Adhesion to Steel	ASTM D4541	230 psi
Tack free time		25 minutes
Solids %		90
VOC Content		250 g/L
Mix Ratio		~20:1

SYSTEM COMPONENTS

- 2 component primers: Primer EP-1010, Primer EP-1020, Primer PU-1050
- Top Coats: Tecnotop 1C, Tecnotop 2C, Tecnotop S-3000



PRODUCT DATA

Minimum thickness..... 80 mils
 Application method..... Short nap acrylic wool roller or squeegee

WHERE TO USE

- IRMA
- Balcony decks
- Concrete decks
- Pedestrian systems
- Vehicular systems
- Pools and water features with approved Tecnocoat top coat

PACKAGING

Metallic pail kit (20 kg):

Part A 19.2 kg
 Part B 0.8 kg

Metallic pail kit (5 kg):

Part A 4.8 kg
 Part B 0.2 kg

PRODUCT CODES

- 4TA1539520UPY Part A (Dark Grey) 19.2 kg
- 4TA999920UPY Part B 0.8 kg
- 4TA1539505UPY Part A (Dark Grey) 4.8 kg
- 4TA999905UPY Part B 0.2 kg



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STORAGE AND SHELF LIFE

12 months shelf life is stored in original containers in a dry environment at a temperature between 40°F–95°F. Keep away from direct sunlight, extreme heat, cold or moisture.

LIMITATIONS

Not intended for permanent UV exposure, can be left exposed for 180 days prior to placing overburden.

SURFACE PREPARATION

Concrete substrates must be allowed to cure for 28 days. All laitance, surface / release treatments, or other contaminants must be removed. Concrete must have a ICRI surface profile of 3–5, which is typically best accomplished by mechanical preparation.

APPLICATION

PRIMING

Concrete must have a moisture concrete of less than 5% prior to applying the applicable system primer.

Choose the applicable primer for the substrate and temperature (Primer EP-1010, Primer EP-1020, Primer PU-1050 or Primer PU-1050), refer to the Technical Data Sheet(s) for complete application instructions.

TEMPERATURE

Substrate temperature must be between 40°F and 100°F. The substrate temperature must also be a minimum of 5°F above the dewpoint and rising. Care must be taken when installing in high humidity and the dewpoint should be measured often. Applications where the relative humidity is at or above 85% are not recommended. Consult Polyglass Technical Services for installations below 40°F.

Both Parts A & B are sensitive to moisture, ensure the pails are protected from moisture during storage and application.

MIXING AND APPLICATION

After opening, both Parts A and B, slowly pour the entire contents of Part B into the Pail of Part A. Mix slowly for approximately 3 minutes and ensure a uniform color. Do not overmix or entrap air.

The mixture can be poured onto the substrate and applied by roller, notched trowel, or squeegee to a minimum thickness of 80 mils in one application. For vertical applications additional coats may be required within the recoat window of 24 hours to achieve 80 mils. Refer to standard details for additional application requirements.

Tecnocoat CP-2049 is self-leveling and should not be over-worked. A nylon spiked roller can be utilized to remove pinholes during application within the working time of the Tecnocoat CP-2049.

For pedestrian, vehicular, or other applications where the Tecnocoat CP-2049 will be covered with an aliphatic Tecnotop top coat, ensure the top coat is applied within 24 hours of the Tecnocoat CP-2049 application. Refer to applicable Tecnotop Technical Data Sheet and details for complete application instructions.

MEMBRANE REPAIR

Remove any damaged membrane from the area and mechanically abrade approximately 6 inches of the undamaged Tecnotop CP-2049, clean area after abrading with Xylene or MEK and apply Tecnotop CP-2049 to the minimum thickness of 80 mils.

Tecnotop CP-2049 can also be used to repair Tecnocoat spray applied membranes with the same repair procedure.

MEMBRANE LAPS

If the recoat time of 24 hours has passed, the following procedure must be followed to overlap new Tecnocoat CP-2049 onto existing Tecnocoat CP-2049. Mechanically abrade approximately 6 inches of the existing Tecnocoat CP-2049, clean area after abrading with Xylene or MEK and apply Tecnocoat CP-2049 to the minimum thickness of 80 mils.

CLEANING

- Store and clean proportioner by manufacturer's suggested guidelines.
- Tools can be cleaned with Xylene or MEK

HEALTH AND SAFETY

- Respiratory Protection: When handling or spraying use an air-purifying respirator.
- Skin protection: Use rubber gloves, remove immediately after contamination. Wear clean body-covering. Wash thoroughly with soap and water after work and before eating, drinking, or smoking.
- Eye/Face: Wear safety goggles to prevent splashing and exposure to particles in the air.
- Dispose waste in accordance with federal, state, and local regulations.



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Product Disclaimer:

For professional use only.

Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 1 year. Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances. Polyglass U.S.A., Inc., reserves the right to improve and change its products at any time without prior notice. Polyglass U.S.A., Inc. cannot be held responsible for the use of its products under conditions beyond its own control. For most current product data, detail drawings and warranty information, visit www.polyglass.us



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