



Protective & Marine Coatings

PART A
PART B
PART B

970-B-703
531-0-006
531-0-001

PUTTY-DARK GREY
CATALYST MEK PEROXIDE RED
CATALYST MEK PEROXIDE CLEAR

POLY-GLASS™ POLYESTER PUTTY

Revised: October 31, 2012

PRODUCT INFORMATION

TRM.60

PRODUCT DESCRIPTION

POLY-GLASS POLYESTER PUTTY is a dark gray, flexible polyester putty formulated for tank laminating work. It is used over welded and riveted seams to form chine coves and to smooth floor structures such as sumps, pipe support brackets, and floating roof leg support pads in conjunction with Poly-Glass Reinforced Polyester or Magnaplate Vinyl Ester reinforced laminating resins. Poly-Glass Putty is supplied as a flowable liquid, permitting easy mixing and complete catalyst dispersion. However, upon addition of a small amount of water, the consistency stiffens into a viscous mass which allows applications up to two inches thick.

PRODUCT CHARACTERISTICS

Finish: Low Sheen
Color: Dark Gray
Volume Solids: 100% ± 2% (mixed)
VOC (calculated): <50 g/L; 0.3 lb/gal, mixed

Mix Ratio:
Use MEK Peroxide Catalyst at the rate of 2.0 fluid ounces per gallon of Part A. See Application Bulletin.

Recommended Spreading Rate:

One gallon (3.78L) of Poly-Glass Putty will cover approximately 10 lineal feet of 3 inch radius cove on chine of a welded tank or approximately 20-25 lineal feet of welded floor plate seam. Riveted construction will require more putty. These figures are approximate.

Drying Schedule:

@ 77°F/25°C
50% RH

To touch: 1 hour
To recoat:
 minimum: 1-2 hours
 maximum: 6 days
Full cure: 1-2 days

*If maximum recoat time is exceeded, abrade surface before recoating.
Drying time is temperature, humidity, and film thickness dependent.*

Pot Life: 40-60 minutes
Sweat-in-Time: None required

Shelf Life: 3 months, unopened
Store indoors at 77°F (25°C).
Flash Point: 88°F (31°C), PMCC, mixed
Reduction: Not recommended
Clean Up: MEK, R6K10

RECOMMENDED USES

- Over riveted and welded joints
- To form chine coves in storage tanks,
- For fairing and smoothing sharp angles to provide a smooth transition.
- For smoothing floor structures such as support brackets and leg support pads.
- For use over steel or concrete

PERFORMANCE CHARACTERISTICS

Consult your Sherwin-Williams representative for specific application, temperature, concentration, and exposure recommendations.



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RECOMMENDED SYSTEMS

		Dry Film Thickness / ct.	
		Mils	(Microns)
Steel:			
1 ct.	Corobond Vinyl Ester Primer	2.0-3.0	(50-75)
1 ct.	Poly-Glass Polyester Putty, as needed up to 2" maximum thickness		
1 ct.	Poly-Glass Polyester Resin with 1½ oz. glass mat	40.0-45.0	(1000-1125)
1 ct.	Poly-Glass Polyester Resin with Wax Solution	15.0-20.0	(375-500)
Total laminate thickness		55.0-65.0	(1375-1625)

NOTE: In the event of a serious soilside corrosion potential, a double layer of laminate is recommended, for a total thickness of 95-110 mils (2375-2750 microns). When applying a double laminate, the wax solution is only added into the final gel coat.

The systems listed above are representative of the product's use, other systems may be appropriate.

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:

Iron & Steel
Immersion: SSPC-SP10/NACE 2, 2-3 mils (50-75 microns) profile

Concrete
Immersion*: SSPC-SP13/NACE 6, or ICRI No. 310.2, CSP 4-6

*Primer required

Surface Preparation Standards

Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal	Sa 3	Sa 3	SP 5	1
Near White Metal	Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	Sa 2	SP 6	3
Brush-Off Blast	Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	C St 2	C St 2	SP 2	-
Pitted & Rusted	D St 2	D St 2	SP 2	-
Power Tool Cleaning	C St 3	C St 3	SP 3	-
Pitted & Rusted	D St 3	D St 3	SP 3	-

TINTING

Do not tint.

APPLICATION CONDITIONS

Temperature: 60°F (16°C) minimum, 110°F (43°C) maximum (air, surface, material)
At least 5°F (2.8°C) above dew point
Relative humidity: 85% maximum

Refer to product Application Bulletin for detailed application information.

ORDERING INFORMATION

Packaging:
Part A: 5 gallon (18.9L) containers
Part B: 1 gallon (3.78L) containers MEKP
Weight: 12.4 ± 0.2 lb/gal ; 1.5 Kg/L, mixed

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.



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APPLICATION BULLETIN

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SURFACE PREPARATIONS

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Iron & Steel (immersion service)

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2-3 mils / 50-75 microns). Remove all weld spatter and round all sharp edges. Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

Prime all blast-cleaned surface with Corobond VE Primer, applied at a dry film thickness of 2.0-3.0 mils (50-75 microns).

Note: Make sure there is no moisture on the substrate prior to application.

Concrete and Masonry

For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2, CSP 4-6. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Primer required.

If surface deterioration presents an unacceptably rough surface, prime with Corobond Vinyl Ester Primer. Poly-Glass Polyester Putty is recommended to patch and resurface damaged concrete.

Fill all cracks, voids and bugholes with Poly-Glass Polyester Putty.

Follow the standard methods listed below when applicable:

- ASTM D4258 Standard Practice for Cleaning Concrete.
- ASTM D4259 Standard Practice for Abrading Concrete.
- ASTM D4260 Standard Practice for Etching Concrete.
- ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete.
- SSPC-SP 13/Nace 6 Surface Preparation of Concrete.
- ICRI No. 310.2 Concrete Surface Preparation.

Concrete, Immersion Service:

For surface preparation, refer to SSPC-SP13/NACE 6, Section 4.3.1 or 1.3.2 or ICRI No. 310.2, CSP 4-6.

Surface Preparation Standards

Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal	Sa 3	Sa 3	SP 5	1
Near White Metal	Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	Sa 2	SP 6	3
Brush-Off Blast	Sa 1	Sa 1	SP 6	4
Hand Tool Cleaning	St 2	St 2	SP 3	-
Pitted & Rusted	St 2	St 2	SP 3	-
Rusted	St 3	St 3	SP 3	-
Power Tool Cleaning	Pitted & Rusted St 3	Pitted & Rusted St 3	SP 3	-

APPLICATION CONDITIONS

Temperature: 60°F (16°C) minimum, 110°F (43°C) maximum (air, surface, material)
At least 5°F (2.8°C) above dew point

Relative humidity: 85% maximum

APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

ReductionNot recommended

Clean-upMEK, R6K10

Equipment:

- Trowel
- Stiff Bristle Brush
- Putty Knife
- Squeegee
- Other applicable tools

If specific application equipment is not listed above, equivalent equipment may be substituted.



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APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

Mixing Instructions: Agitate each container thoroughly with low speed power agitation prior to catalyst addition. ALWAYS ADD CATALYST FIRST, PRIOR TO ADDING WATER. Add MEK Peroxide at the rate of 2.0 fluid ounces per gallon (3.78L) or 10.0 fluid ounces per 5 gallons (18.9L). Mix thoroughly with low speed power agitation. To thicken, add water at the rate of 1.0 fluid ounce per gallon (3.78L) or 5.0 fluid ounces per 5 gallons (18.9L). Mix thoroughly. Poly-Glass Putty will thicken to a heavy, slump-free consistency. Poly-Glass Putty may be used without water for filling corrosion pits on floor plates. Variation from specified amounts may interfere with curing reaction and lead to shrinkage or cracking. (Acceptable range of MEK Peroxide catalyst is 1.5 to 3.5 oz. per gallon (3.78L), depending on application and environmental conditions.

Application:

Apply thickened Poly-Glass Putty to chine and floor plate lap seams of welded and riveted tanks using a trowel or putty knife. Fill completely to provide a smooth transition from plate to plate or floor to shell. Fill welded chines to a 3 inch radius cover. Fill riveted chines as necessary to cover the rivet heads and form a smooth cove. It is helpful to use a pre-cut template to strike off excess putty and provide a uniform cross-section. Do not apply thicker than 2 inches in a single application. Poly-Glass Putty may be used without water addition to fill corrosion pits on floor. Pour out and squeegee excess material. Do not use for lap seams or chine cove without water thickening.

Apply paint at the recommended film thickness and spreading rate as indicated below:

Recommended Spreading Rate:

One gallon (3.78L) of Poly-Glass Putty will cover approximately 10 lineal feet of 3 inch radius cove on chine of a welded tank or approximately 20-25 lineal feet of welded floor plate seam. Riveted construction will require more putty. These figures are approximate.

Drying Schedule:

@ 77°F/25°C
50% RH

To touch: 1 hour
To recoat:
 minimum: 1-2 hours
 maximum: 6 days
Full cure: 1-2 days

*If maximum recoat time is exceeded, abrade surface before recoating.
Drying time is temperature, humidity, and film thickness dependent.*

Pot Life: 40-60 minutes
Sweat-in-Time: None required

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with Reducer MEK, R6K10. Clean tools immediately after use with Reducer MEK, R6K10. Follow manufacturer's safety recommendations when using any solvent.

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PERFORMANCE TIPS

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.

No reduction of material is recommended as it can affect film build, appearance, and adhesion.

Do not mix previously catalyzed material with new.

Do not apply the material beyond recommended pot life.

Refer to Product Information sheet for additional performance characteristics and properties.

SAFETY PRECAUTIONS

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