

FAQ SHEET 1

POLIBRID 705 MANUFACTURER SPECIFICATIONS

See the following pages (2-3) for manufacturer information.

**Call 1.800.256.1626 to speak with an ATC Storage Tank Expert
for Assistance or Additional Information.**

Polibrid® 705

Application Equipment

Spray Application (General) The following spray equipment has been found suitable for application of this product.

Plural Component Airless Spray GRACO® Hydra-Cat 45:1 fluid-to-air ratio, King air motor with triplex bottom on a 2A:1B, fixed-volume ratio. Standard equipment typically includes heated hoses, drum heaters, suction feed from 50 gallon steel drums (feed pumps not required in most cases), recirculation system, automatic high-pressure shut-off system. Other set-ups may be required and many options are available. Applicator training is required and spray equipment must be approved by Polibrid Technical Service.

Touch-Up Brush apply material from Polibrid 705 Repair Kit. For use on small areas only. Contact your Carboline representative for additional information.

Mixing & Thinning

Mixing Power mix Resin (Part A) with an air-driven agitator for 30 minutes just prior to use. Catalyst (Part B) requires no mixing before using unless tinted.

Ratio 2:1 Ratio (A to B)

Thinning Not recommended. Use of thinners other than those supplied by Carboline may adversely affect product performance and void product warranty, whether expressed or implied.

Pot Life 5-8 Minutes at 72°F (22°C)
Do not apply material that has exceeded its pot life.

Cleanup & Safety

Cleanup Use #2 Thinner or MEK. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

Safety Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.

Ventilation When used as a tank lining or in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to insure all personnel are below guidelines. If not sure or if not able to monitor levels, use MSHA/NIOSH approved supplied air respirator.

Caution This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

Application Conditions

Condition	Material	Surface	Ambient	Humidity
Optimum	80°-90°F (27°-32°C)	40°-140°F (4°-60°C)	40°-120°F (4°-49°C)	0-95%
Minimum	80°F (27°C)	40°F (4°C)	25°F (-4°C)	0%
Maximum	90°F (32°C)	140°F (60°C)	120°F (49°C)	95%

Industry standards are for substrate temperatures to be 5°F (3°C) above the dew point. **Caution:** This product is moisture sensitive in the liquid stage and until fully cured. Protect from high humidity, dew and direct moisture contact until fully cured. Application and/or curing in humidities above maximum, or exposure to moisture from rain or dew may result in a loss of gloss and/or microbubbling of the product.

Curing Schedule

Surface Temp. & 50% Relative Humidity	Dry to Receive Light Traffic	Maximum Recoat Time	Cure For Immersion Service
72°F (22°C)	2 Hours	6 Hours	Immediately after application with most solutions.

These times are based on recommended dry film thicknesses.

Packaging, Handling, & Storage

Shipping Weight (Approximate) 150 Gallon Kit 1350 lbs (162 kg) 75 Gallon Kit 700 lbs (318 kg)

3 Quart Kit
11 lbs (5 kg)

Flash Point (Setaflash) Part A: 500°F (260°C)
Part B: 230°F (110°C)

Storage Conditions 40 -110°F (4-43°C)
0-100% Relative Humidity
Store indoors and keep Dry. Do not place drums directly on concrete or earth. Store on top of wood slats or pallets. Blanket all partial drums with nitrogen gas to prevent moisture contamination. Avoid freezing. Do not open until ready to use. Rotate Resin (Part A) drums regularly if stored for the long term.

Shelf Life Part A: 24 months at 75°F (24°C)
Part B: 6 months at 75°F (24°C)



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