

# TRIANGLE TUB & TILE

## Liquid Porcelain™

Tile-Like Acrylic Urethane for Refinishing Tub & Tile Surfaces

### Specifications

#### DESCRIPTION:

**Liquid Porcelain** and all products of the **Liquid Porcelain Refinishing Systems** were designed specifically for the tub and tile refinishing industry. **Liquid Porcelain** provides water, stain, and abrasion resistant finish that lasts for years and stands up to the difficult service exposure typical of bath and kitchen surfaces. **Liquid Porcelain** has the best gloss, gloss retention, color retention and durability today's paint technology can provide. This two part acrylic urethane is hard drying with a resilient, tile-like toughness that gives it unsurpassed impact and abrasion resistance. In addition **Liquid Porcelain** is water impermeable and fully resistant to splash and spill type contact from most chemicals. Available in three gloss levels: high gloss, semigloss, and matte.

#### USE:

**Liquid Porcelain** is a two part, high quality refinishing enamel for the tub & tile industry. Proper surface preparation is required. Recommended preparation includes **White Mountain Jobsite Cleaner**, **Cling Acid Cleaner/Resealer**, **Tripoxy Tub & Tile Primer**, and **TriBond** adhesion promotor.

**Liquid Porcelain** should only be used with **AT60 Urethane Thinner**. Lacquer thinners containing alcohol will negatively affect cure and should never be used with this product.

Suitable substrates for **Liquid Porcelain** include:

- Porcelain bath and kitchen surfaces
- Fiberglass
- Cast polyester
- Formica laminate
- Most metals

#### ADVANTAGES:

- Designed specifically for Tub & Tile Refinishing
- State of the art gloss and color retention
- Scratch & abrasion resistant
- Will not peel, flake or bubble
- UV resistant, will not yellow
- Stain & chemical resistant
- Resistant to acidic etching
- Easy to clean and repair

#### LIMITATIONS:

- Proper surface preparation is the responsibility of the end user
- Urethanes contain isocyanates.
- Not recommended for sustained direct caustic chemical contact, permanent submersion in water, or below grade use.

### Properties

**VOC:** [mixed, 4 to 1] ..... 480 g/l – (4.0 lbs/gal)

**FLASH POINT:** [setaflash] ..... 68° F

**APPEARANCE:** [Gloss at 60°]

Gloss (G) ..... 88-95+

Semigloss (S) ..... 60-70

Matte (M) ..... 5-10

**WEIGHT PER GALLON:** [average, mixed] ... 10.4 lbs

**PACKAGE VISCOSITY:** ..... 65-75 KU

**SOLIDS:** [average, mixed]

By Weight ..... 62%

By Volume ..... 48%

**COVERAGE:** [average]

Theoretical at 1 mil DFT ..... 735 sq ft/gal

**DRY SCHEDULE:** [at 50% RH and 0.4 mil DFT w/o Nitro]

	45° F	60° F	75° F	90° F
<b>Touch</b>	3 hrs	90 mins	45 mins	30 mins
<b>Recoat</b>	24 hrs	12 hrs	10 hrs	8 hrs
<b>Full Cure</b>	168 hrs	48 hrs	10 hrs	8 hrs

#### COLOR AVAILABILITY:

**Liquid Porcelain** is stocked in white and seven other off-white colors, in three gloss levels. Other colors available. Minimum order quantity applies to custom coloring.

**ORDER CODE:** ..... Part A: 505 + gloss + color #

Part B: 505B Hardener

Each product is identified by the product series number, followed by a gloss identifier (**Gloss**, **Semigloss**, **Matte**) and ending in the color number, i.e. 505GK101 is Liquid Porcelain (505), Gloss (G), Kohler White (K101).

#### PACKAGING:

One Gallon Kit [2 cases] ..... 50 lbs

Four each 112 oz fill in 1 gallon cans (Part A) and four each full pint cans (Part B)

Five Gallon Kit ..... 60 lbs

One each 4 gallon fill in 5 gallon can (Part A) and one each 1 gallon can (Part B)

### Shipping & Handling

**SHIPPING DESCRIPTION:** [CFR 49]

**Ground, Air, Vessel** .... Paint, 3, UN1263, PG II

Required Label ..... FLAMMABLE LIQUID

Required Marking ..... PAINT UN1263

#### IMDG PACKAGING:

FLAMMABLE LIQUID, Class 3.2, UN1263, II

**IMDG STOWAGE:** ..... Category B

**UNIFORM FIRE CODE:** [CFR 29] ..... CLASS I-B

**STORAGE TEMPERATURE:** ..... 100° F max

**SHELF LIFE:** [warranted] ..... 1 YEAR

**HMIS RATINGS:** ..... H - 2; F - 3, R - 0; PP - H

# Liquid Porcelain™

## Tile-Like Acrylic Urethane for Refinishing Tub & Tile Surfaces

### Application Data

#### REQUIREMENTS

Liquid Porcelain is recommended for direct application to properly cleaned and roughened fiberglass but all other substrates should be primed with **Tripoxy Tub & Tile Primer** or **TriBond** bonding agent.

- Surfaces must be dry and protected from all moisture until fully cured per drying schedule.
- Both surface and ambient temperature must be +45° F and +5° F above dewpoint. Maximum recommended temperature is 110° F surface and 95° F ambient.
- Fiberglass and surfaces previously painted must be sanded to dull. For a fine finish on any sanded surfaces, finish sanding with a very fine 400-600 grit sandpaper, and dry brush or vacuum to remove all dust.

#### PRIMING:

Fiberglass & Polyester .. **Cleaned & Roughened**  
Ceramic, Porcelain, Cementitious surfaces and non-copper alloy metals ..... **983P746 Tribond**  
All other substrates .... **941FAM35 Epoxy Primer**

#### FILM DEVELOPMENT & THICKNESS:

Recommended film thickness: two mils DFT. The use of two distinct coats is highly recommended as insurance against pinhole voids. **Liquid Porcelain** can be recoated during the tack stage of drying. **Liquid Porcelain 505 Series** dries very quickly and in practice this allows multiple coats to be applied at one time. However, if **Liquid Porcelain** dries for 90-120 minutes it must be allowed to dry completely for 8 hours before it is recoated.

#### MIXING:

**Catalyzing:** Mix ratio is 4:1. Pour Part B in to Part A while stirring, *then reduce*. When preparing smaller quantities, recommend staying in quart increments (32 fl.oz. of Part A to 8 fl.oz. of Part B).

**Pot life:** Pot Life will vary slightly with temperature and humidity but when reduced to spray viscosity, pot life will be at no more than 6 hours in most conditions.

#### THINNING:

Add Part B catalyst before reducing with **Liquid Porcelain AT60**. **Liquid Porcelain** is designed for a 25-50% reduction when applied by conventional spray and 5-15% when applied by airless.

**Recommended Thinner:** ..... **AT60**  
[AT60, Medium, 45° F - 85° F]

#### APPLICATION:

**Liquid Porcelain** is designed for conventional spray but is very amenable to HVLP and air assist airless. Contact your Triangle Coatings Representative for help with other types of application equipment.

**CLEANUP:** ..... **Liquid Porcelain AT60 Thinner**  
Rinse tools with clean AT60 thinner.

### Health & Safety

#### WARNING:

FLAMMABLE LIQUID AND VAPOR. MAY BE HARMFUL IF SWALLOWED OR INHALED. VAPOR MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA AND CAN CAUSE NOSE AND THROAT IRRITATION. LIQUID CONTACT WITH EYE AND SKIN CAUSES IRRITATION. Contains isocyanates. Keep away from sparks, heat, and open flame. Use with adequate ventilation. Avoid breathing of vapor. Avoid contact with eyes, skin and clothing. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Keep container closed when not in use. If spillage occurs, absorb and dispose of according to local regulations.

#### FIRST AID:

Should eye contact occur, flush with plenty of water for at least 15 minutes and get medical attention if vision is disturbed. For skin, wash thoroughly with soap and water. If inhaled, remove to fresh air. If swallowed, seek medical attention immediately. DO NOT induce vomiting.

**THIS PRODUCT IS FOR  
PROFESSIONAL USE ONLY.**

**KEEP THIS PRODUCT OUT OF THE  
REACH OF CHILDREN.**

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