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## TECHNICAL DATA SHEET

# ARTILLERY DEEP POUR

**DESCRIPTION**:

Bulletproof ARTILLERY DEEP POUR is a 100% solids water-clear coating primarily used for river tables & other large castings. It is self-leveling, primer-less, and odorless. ARTILLERY DEEP POUR has been enhanced with a UV absorber and a hindered amine light stabilizer to help lessen the effects of UV light. This enhancement reduces yellowing and protects against loss of sheen, cracking, and chalking. It cures to a clear, glass-like finish and is suitable anywhere a hard, durable, crystal-clear coating is desired.

**ADVANTAGES:**

2:1 Mix Ratio
Extremely Tough Surface
High Gloss
Blush Resistant
Excellent Adhesion to Wood

**APPLICATION GUIDELINES:**

ARTILLERY DEEP POUR is usually applied in two stages (see Application Section). Do not exceed a maximum pour depth of 2”. Do not vary or deviate from the instructed mixing ratios. Doing so can result in soft spots or partial curing. For best results, ARTILLERY DEEP POUR should be used at temperatures from 70°-80°F. Work areas should be clean and free from any dust/insects.

**HANDLING & PHYSICAL PROPERTIES:**

| | | |
|---|---|---|
| | 600 - 800 | ASTM 2196 |
| RESIN VISCOSITY, cP or mPa.s | 9.22 | ASTM D 792 |
| RESIN DENSITY | 120 | ASTM 2196 |
| HARDENER VISCOSITY, cP or mPa.s | 8.2 | ASTM D 792 |
| HARDENER DENSITY | 2/1 (2.27/1) | |
| MIX RATIO (A/B), pbv (pbw) | Clear | |
| COLOR | 450 | ASTM D 2196 |
| MIXED VISCOSITY, cP or mPa.s | 4-6 | |
| WORKING TIME, hours | 24 | ASTM D 2471 |
| GEL TIME, hours (100 grams) | | |

**CURING TIMELINE @ ONE-INCH THICKNESS - 75°F**

| | | |
|---|---|---|
| | 24-48 | |
| SURFACE TACK-FREE (hours) | 72 | |
| THRU-CURED (hours) | 82 | ASTM D 2240 |
| HARDNESS, Shore D | | |

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***11.16.22***

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**SURFACE PREPARATION:**
To achieve the best adhesion, ensure the substrate is clean and free of all loose and foreign material. Oils, grease, waxes, or other contaminates must be removed before coating.

**MIXING**:
The storage temperature of our ARTILLERY Deep Pour Epoxy will significantly affect the ease of mixing, application, and curing time. Deep Pour should be stored at 70°F - 80°F for at least 24 hours before use for best results. Mix 2 parts A (resin) to 1 part B (hardener) using a spatula or stir stick until the mixture is uniform. Be sure to scrape the sides of the mixing container while mixing (any unmixed or partially mixed material will cause wet spots on the finished surface). DO NOT mix more material than can be used within the stated working time. REMEMBER - higher temperatures reduce working time!

**APPLICATION INSTRUCTIONS:**
If you are using ARTILLERY Deep Pour Epoxy as a seal coat, it can be applied with a foam brush/roller or squeegee. Usually, the material is applied in stages, each pour not exceeding 2" inches in thickness. The recommended minimum pour depth is ½". It is vital you follow the instructed mixing instructions, as failure to do so will result in soft spots or inconsistent curing. Recoats can be applied as soon as the current layer has "tacked up." Once your previous layer is fully cured, a very light sanding with a fine grit sandpaper followed by a solvent wipe is necessary before applying the next layer. If bubbles are present and the pour has not yet hardened, a heat gun or torch may be used to pop them. If a torch is used, the flame should never come in direct contact with the epoxy; smooth strokes 6-12 inches above the material are all required. For best results, ARTILLERY DEEP POUR should be used at temperatures ranging from 70°-80°F. All work areas should be clean and free from any dust/insects.

**SAFETY PRECAUTIONS:**
Mix and pour in a well-ventilated area. Avoid contact with skin and eyes. If exposure does occur, wash your skin with soap and water and seek medical help. To ensure best safety practices, read all cautions on the container labels and safety data sheets before using this material. Avoid breathing vapors by maintaining a forced local exhaust is recommended to minimize exposure effectively. NIOSH-approved organic vapor respirators and forced exhaust are recommended if working in a confined area or when conditions such as heated polymers and sanding may cause high vapor concentrations.

**DO NOT WELD ON, BURN OR TORCH ON OR NEAR ANY EPOXY MATERIAL. HAZARDOUS VAPOR IS RELEASED WHEN AN EPOXY IS BURNED.**

**WARRANTY AND DISCLAIMER:**
BallistiX Coatings & gives no warranty, express or implied, and all products are sold upon condition that purchasers will make their own tests to determine the quality and suitability of the product. BallistiX Coatings & Sealers shall be in no way responsible for the proper use and service of the product. The information given in this publication is considered to be accurate and reliable and is provided as a service only. Physical properties shown are typical. Actual properties are dependent on curing conditions and degree of cure. Any information or suggestions given are without warranty of any kind and purchasers are solely responsible for any loss arising from the use of such information or suggestions. No information or suggestions given by us shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.

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