

ARMORGARD STEEL COAT

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| Description: | Armorgard Steel Coat is a 100 % solids, self-leveling, room temperature cure form coating. It was formulated to provide a hard, tough coating for metal concrete forms used for precast, tilt-up, slip form or cast-in-place applications. Armorgard Steel Coat does not contain VOC's or butyl glycidyl ether (BGE)*. | | |
| Product Advantages: | <ul style="list-style-type: none"> ● EXTREMELY DURABLE SURFACE ● USER-FRIENDLY MIX RATIO ● STRONG ADHESION TO PREPARED STEEL ● SINGLE COAT APPLICATION | | |
| Application Guidelines: | Normal application thickness is 25-35 mil (0.64-0.89 mm). Application may vary depending on the porosity and roughness of the surface. | | |
| Handling Properties: | MIX RATIO, pbv (pbw) | 1/1 | (1.2/1) |
| | COLOR | Light Amber | |
| | MIXED VISCOSITY, cP or mPa.s | 8,600 | ASTM D 2196 |
| | WORKING TIME, min | 25 | |
| | GEL TIME, min | 33 | ASTM D 2471 |
| | TACK-FREE TIME, h | 5-6 | |
| | INITIAL CURE, h | 9-12 | |
| | APPLICATION TEMPERATURE, °F (°C) | | |
| | Ideal | 70-80 | (21-27) |
| | COVERAGE* @ 25 mil (0.64 mm), ft ² /gal | 63 | |
| | *Varies with porosity of surface | | |
| Physical Properties: | HARDNESS, Shore D | 83 | ASTM D 2240 |
| | MAXIMUM SERVICE TEMPERATURE, °F (°C) | 135 | (57) |
| | Armorgard Steel Coat will soften when exposed to extreme precast temperatures. A temperature of no greater than 135 °F (57 °C) is recommended when removing forms coated with Armorgard Steel Coat. | | |

*Butyl Glycidyl Ether. The EPA (SARA Title III, section 312) lists it (BGE) as "Toxic" (per ANSI Z129.1) by skin absorption and an immediate health hazard.

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| Surface Preparation: | To achieve excellent adhesion, the substrate must be clean and free of all loose and foreign material. Oils, grease, waxes or other contaminants <u>must</u> be removed prior to coating. The surface should be prepared to a near white metal finish per standard NACE 2/SSPC-SP 10. Armorgard Steel Coat will not bond to a contaminated surface. |
| Mixing: | The storage temperature of Armorgard Steel Coat will greatly affect the ease of mixing, application and curing time. For best results, Armorgard Steel Coat should be stored at (60-80 °F or 16-27 °C) for at least 24 hours before use. Mix 1 part A (resin) to 1 part B (hardener) for 3 minutes using a Jiffy Mixer and a slow speed drill. Mix at slow speed (less than 500 rpm) to avoid air entrainment. When adding part B to part A, be sure to scrape the sides of the hardener (part B) container in order to remove all of the hardener. This is essential to maintain proper mix ratio. DO NOT mix more material than can be used within the stated working time. REMEMBER - you will have less working time at higher temperatures. |
| Application: | Armorgard Steel Coat can be applied with a grooved fiberglass or aluminum roller. |

SAFETY PRECAUTIONS

Mix and pour in a well-ventilated area. Avoid contact with skin and eyes. If contact does occur, wash skin with soap and water and seek medical help. Read and understand all CAUTIONS on container labels and safety data sheets before using this material.

Avoid breathing of vapors. Forced local exhaust is recommended to effectively minimize exposure. NIOSH approved, organic vapor respirators and forced exhaust are recommended in confined areas, or when conditions (such as heated polymers, 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.**

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