

## **SealBoss Coating 1050H** <sup>TM</sup>

### DESCRIPTION

#### FEATURES

- Abrasion and Impact Resistant
- Horizontal Surface Application
- Plural Component Spray Application
- High Build, Quick Dry
- Low Temperature Flexibility
- Chemical Resistant / 100% Solids
- Tough and Flexible

#### TYPICAL USES

**SealBoss Coating 1050H** is recommended for use as a coating or lining on suitably primed carbon steel, non-ferrous metal and concrete for use in:

- Petrochemical Plants
- Pipe Lining and Repair
- Pulp and Paper Plants
- Concrete Storage Tanks
- Secondary Containment
- Water / Wastewater Treatment Plants
- Mining
- Power Plants
- Man Holes

#### TYPICAL SYSTEMS

Primer: Primer P-U **Coating 1050H**

Finish: **Coating 1050H**

#### COLOR

Off-white with a medium sheen gloss. Due to its aromatic composition, the product will yellow or darken in color after exposure to UV light. **Coating 1050H** may be topcoated with an aliphatic polyurethane coating for a color-fast glossy finish.

#### PACKAGING

150 Gallon Kit: Side-A: One 55 Gallon Drum, containing 50 gallons. Side-B: Two 55 Gallon Drums, each containing 50 gallons. The volume mixing ratio is 1 Part A : 2 Parts B, by volume.

#### MIXING

**Coating 1050H** may not be diluted under any circumstances. Use appropriate solvent for solvent purge line and flushing of equipment and if spraying stops for periods exceeding the potlife of the material. Thoroughly mix each **Coating 1050H** Side Base material with air driven power equipment until a homogeneous mixture and color is obtained. Side-B Base material must be thoroughly agitated for at least thirty (30) minutes prior to application. Total suspension must be achieved. Opened material must be used within 1-2 days due to moisture sensitivity.

#### SURFACE PREPARATION

Coating performance is directly proportional to the quality of the surface preparation. All surfaces must be free of oil, grease, dirt and other contaminants. **SealBoss Corp.** will assume no liability for substrate defects and / or improper substrate preparation and application.

Carbon Steel: Remove all contaminants such as oil, grease, dirt, wax or any other chemical product prior to proceeding with surface preparation.

## **Polyurea - Polyurethane Hybrid PROTECTIVE COATING**

A. Exterior coating: Abrasive Blast to SSSP, SP-10 (Near-white) with a surface profile of 1.5-2.5 mils.

B. Internal Lining: Abrasive Blast to SSSP-SP-5 (White metal) with a surface profile of 2.5-3.5 mils. Vacuum all surfaces to remove dust and loose particles prior to application.

Concrete: Remove all contaminants such as oil, grease, dirt, form oil residue, wax or any other chemical product prior to proceeding with surface preparation.

A. Abrasive Blast using brush blast technique or better to achieve 2-3 mil anchor profile.

B. Vacuum to remove dust and loose particles prior to application of primer or first coat.

C. Use fiberglass or a geotextile cloth to bridge cracks over the primed surface.

#### APPLICATION

Apply over prepared and suitably primed carbon steel or concrete.

Surface Preparation Method:

Carbon Steel: SSSP-SP-10, 5 or SP-12 (WJ-4)

Concrete: Sandblast or Grit Blast to provide a 2-3 mil anchor profile.

Application temperature for **Coating 1050H** should be between 60-100F with relative humidity of 0-50%. Do not apply product unless temperature is at least 5F above the dewpoint. Recoat schedule is 1-3 hours dependent upon environment. See Specification Guide for recoating guidelines and additional information. Check area of application to ensure that it conforms to the substrate requirements, as stated in Section 3.04 of the Engineering Specifications. Prime with the appropriate primer. See Engineering Specification Section 4 for more information on specific primers and their associated applications.

Use Airless equipment or equal designed for heated, plural-component, high pressure spray application. High pressure equipment should have the capacity to apply product to a maximum 2500 psi from the proportioner to meet job site conditions.

Heat and maintain material temperature in a range of 95-110°F and utilize insulated material hoses and application equipment to ensure spray consistency, metering and degree of cure of properly mixed product. Band heaters should not be used to heat or maintain temperature. The conditioned materials shall be supplied to the proportioning equipment at a flowable, pumpable viscosity, and in such volume delivery to assure full supply for each pump stroke.

#### Equipment Cleanup

Equipment needs to be kept clean and in good working order at all times. Please check with equipment manufacturer/dealer for detailed cleaning and maintenance instructions. This material may react in your equipment. Recirculating system and solvent purge equipment is necessary to keep material maintained and spray equipment clean during application interruptions and/or for periods when exceeding the product potlife. All spray equipment must be suitable for use with this product.

**SealBoss Coating 1050H**<sup>TM</sup>

**Polyurea - Polyurethane Hybrid  
PROTECTIVE COATING**

**STORAGE**

**Coating 1050H** has a shelf life of 12 months in original, factory sealed containers.

Do not open until ready to use. Store drums on wooden pallets to avoid direct contact with the ground. Avoid freezing temperatures. Store between 70-95°F.

**LIMITATIONS**

**Coating 1050H** is not recommended for prolonged exposure to concentrated acids.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice.

**SAFETY PRECAUTIONS**

This product is for industrial use only by professional applicators and is not intended or suitable for use in or around a household or residential property. Keep away from children and household items. This material contains polyisocyanates. Vapors and spray mist are harmful, Improper handling and use may be hazardous, At all times safety precautions must be strictly followed during storage, handling and application.

**WARNING**

Individuals with chronic respiratory problems or prior respiratory reactions to such materials should not be exposed to vapors. All personnel entering the application area, including the applicator must wear properly fitted, NIOSH/MSHA approved, fresh air positive pressure air respirators with a full face piece or an air supplied hood.

Keep the material away from sparks, flash and open flames. Containers, even those that have been emptied, may contain dangerous and explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize containers to empty them.

**TECHNICAL DATA**

VOC, ASTMD2369-81	0 grams/liter
Flash Point	>200F
Mixing Ratio by Volume	A:B = 1:2
Gel Time, 100 ±10F	40-80 sec
Elongation, ASTMD-41220%	
Dry Film Thickness per Coat	20-100 mils

NSF Drinking Water Contact Approval  
ANSI/NSF 61 available.

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