

## PRODUCT DATA SHEET

### 1. PRODUCT DESCRIPTION

Phoenix 2021™ is a two-component, hybrid polyurea elastomer spray system which is less sensitive to high humidity and moisture in the air or substrate. This product provides a flexible but extremely tough monolithic membrane with excellent water and chemical resistance, and it can be sprayed even in cold climates.

### 2. USES

Phoenix 2021™ is designed for tank linings, primary and secondary containment, the manufacture of artificial rocks and boulders, and industrial floor coatings.

### 3. PHYSICAL PROPERTIES

Durometer Hardness (Shore A), <i>ASTM D-2240</i>	95 - 100
Tensile Strength (psi), <i>ASTM D-412</i>	1600
Elongation, <i>ASTM D-412</i>	180%
Dolly Adhesion, <i>ASTM D-4541</i>	95 (C-17)
Tear Strength (pli), <i>ASTM D-412</i>	300

### 4. PRODUCT APPLICATION PARAMETERS

PROPERTY	TEST METHOD		
Mixing Ratio	By Volume	1 : 1	
Viscosity, @75 °F	Brookfield	"A" = 800 - 1400 cps	"B" = 800 - 1100 cps
Gel Time	Touch	3 - 5 seconds	
Tack Free	Touch	5 - 8 seconds	
Full Service Use		2 hours	

*The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.*

### 5. APPLICATION REQUIREMENTS

**Spray Equipment:** Spray equipment must be designed to produce a minimum of 2,500-psi with an output of 1.5 gallons per minute. The heating component of the equipment must be able to maintain a temperature at the gun of 150°F. The hose on the equipment must be heated and be rated a minimum of 3,000-psi burst pressure. The spray gun must also be rated at the pressures and throughputs required.

**Substrate Parameters:** The substrate must be dry! A minimum ambient temperature of 5 °F above the dew point is mandatory. The ambient relative humidity should not be above 85%. Product working temperature range is -40 °F – 280 °F. Pin-holing may occur if the above parameters are not strictly followed; it is up to the applicator to check initial climatic conditions. It is recommended that a small area be sprayed and checked for proper application.

**Coverage:** Phoenix 2021 theoretically will cover 1,604 square feet/100 gal drum set at 1 mil dry film thickness. Coverage of the substrate should include a waste factor based on conditions at the site and type of substrate to which the material is being applied.

## 6. STORAGE & SHELF LIFE

Liquid materials should be stored at temperatures between 55 °F and 95°F in sealed containers. The A-side component should always be blanketed with nitrogen gas. Material shelf-life is 6 to 12 months. Consult product SDS for proper safety and handling procedures of components.

## 7. DISCLAIMER

The data presented herein is not intended for use by nonprofessional applicators, or those persons who do not purchase or utilize this product in the normal course of their business. The potential user must perform any pertinent test in order to determine the product's performance and suitability in the intended application, since final determination of fitness of the product for any particular use is the responsibility of the buyer.

## 8. SAFETY

Review SDS at [www.PhoenixLiners.com](http://www.PhoenixLiners.com). Basic safety for personal protection is:

- Long sleeve overalls or disposable Tyvek overalls
- Splash shield or safety glasses with splash guards
- Rubber gloves
- Respirator / Supplied Air System / Headsock
- Do not take internally; wear rubber or leather boots
- Do not use near high heat or open flame
- Keep out of reach of children

## 9. TECHNICAL SUPPORT SERVICES

Technical Services, Sales, and Customer Support: (713) 854-4858

## 10. WARRANTY

Phoenix MCBS, LLC will repair or replace product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.