

SPRAYWALL TECHNICAL DATA SHEET

DESCRIPTION

SprayWall is a 100% VOC-free self-priming polyurethane coating that reinstates structural integrity, and provides infiltration control and corrosion resistance for concrete, steel, masonry, fiberglass, and other surfaces. Developed for use in ambient operating conditions up to 140°F / 60°C, SprayWall is a tough, corrosion and abrasion resistant coating that can be spray applied at any desired thickness in a single mobilization. SprayWall's quick curing time allows the newly protected structure to be returned to service immediately after completing the application.

USES

- Manholes
- Lift Stations
- Wet Wells
- Tanks
- Grit Chambers
- Clarifiers
- Digesters
- Junction Boxes
- Pipelines (Man Entry Only)
- Culverts
- Tunnels
- Lagoons

SOLIDS BY VOLUME & VOC's

100% solids by volume and VOC (Volatile Organic Compounds) Free.

COLOR

Gold is the standard product color. SprayWall's color is derived from the natural coloration of our raw materials

APPLICATION METHOD

SprayWall is applied by utilizing a proprietary, heated plural component spray system. Complete integrated spray systems information is available by contacting Sprayroq technical support.

SURFACE TEMPERATURE

Approximately 70°F / 21°C is the minimum recommended temperature for optimum adhesion.

COAT & CURE TIME

After the A and B components are mixed, SprayWall achieves a tack free condition in approximately 6-10 seconds.

NOTE: If several coats are applied, Sprayroq's high build application protocol should be followed (Contact Sprayroq for further details). In approximately one minute, the initial cure is complete, and the structure is capable of accepting flow once it returns to ambient temperature. SprayWall is considered fully cured within 24-72 hours following application.



PREPARATION

Surfaces to be treated must be cleaned of all oil, grease, rust, scale, deposits and other debris or contaminants. All resins, including SprayWall, require a clean and dry substrate for optimal technical performance of the product.

PERFORMANCE TESTING

DESCRIPTION	METHOD	IMPERIAL	METRIC
Flexural Modulus	ASTM D790	735,000 psi*	5,067.6 MPa*
Flexural Strength	ASTM D790	14,000 psi*	96.5 MPa*
Compressive Strength	ASTM D695	18,000 psi*	54.5 MPa*
Tensile Strength	ASTM D638	7,450 psi*	51.4 MPa*
Tensile Modulus	ASTM D638	425,000 psi*	2,930.3 MPa*
Elongation	ASTM D638	4% at break*	4% at break*
Abrasion (Taber CS17)	ASTM D4060	17.7 mg loss*	17.7 mg loss*
Hardness, Shore D	ASTM D2240	87†	87†
Density	-	87 lbs./cf†	1,394 Kg/m3†
Adhesion to concrete	ASTM D4541	Substrate Failure†	Substrate Failure†

* TEXAS RESEARCH INSTITUTE, AUSTIN, TX
† SPRAYROQ INC. LABORATORY

STEEL

Solvent Cleaning (SSPC-SP1) may be necessary for steel. Surfaces to be coated should be prepared in accordance with SSPC-SP10 or NACE No.2: "Near White Blast Cleaning."

When applicable, an alternate procedure may be employed using high (>5,000 psi / >34.5 MPa) or ultrahigh (>10,000 psi / >69.0 MPa) pressure water cleaning or water with sand injection and approved rust inhibitors. The anchor profile for surface preparation must be a minimum of 2 mils/ 0.05 mm.

CONCRETE & MASONRY

Low (2,500-3,000 psi / 17.2-20.7 MPa) to high (>5,000 psi / >34.5 MPa) pressure water cleaning, shot blasting, abrasive blasting or combination acid etching and water cleaning can be used to prepare these surfaces.

FIBERGLASS

Prepare fiberglass by rinsing, neutralizing, scarifying and cleaning with water or a mixture of water and solvent. Be sure that all dust and loose particles are removed. The surface should be thoroughly dry before application of SprayWall.

PACKAGING

SprayWall is sold exclusively to Sprayroq Certified Partners in 1,500 lb. / 680.4 kg sets of material.

COMPONENTS & MIX RATIO

Part A, Hardener. Part B, Resin. / 1:2 by vol.



SHELF LIFE STORAGE

Shelf Life: 1 year in sealed, unmixed containers at 60°F / 15°C. Store in a sheltered area between 60°F and 85°F / 15°C and 30°C.

SAFETY

Consult the Material Safety Data Sheet for this product concerning health and safety information before using. Strictly follow all notices on the Material Safety Data Sheet and container label. If you do not fully understand the notices and procedures provided or if you cannot strictly comply with them, do not use this product. Actual safety measures are dependent on application methods and work environment. Contact Sprayroq to obtain a copy of the Material Safety Data Sheet at 205.957.0020.

WARRANTY & DISCLAIMER

As best determined, the technical data represented for all Sprayroq products is deemed to be accurate. All products are to be applied by trained and approved Sprayroq Certified Partners only and in strict accordance with the directions for usage and installation of the Sprayroq product.

Sprayroq guarantees the products to conform to the quality assurance procedures established by Sprayroq and its resin blending partners. We assume no responsibility for coverage, performance or injuries resulting from the use of our products.

Liability, if any, is limited to the replacement of the product for a period of one year from the date of application only. Sprayroq is not responsible for any treble expenses, liquidated damages or related labor expenses stemming from the use of this product. No other warranty is made by Sprayroq, expressed or implied, statutory or by operation of the law, including merchantability and fitness for a particular purpose.

