



# SCP DropLiner

Aromatic Polyurea Coating  
Low-emitting VOC Compliant Materials

## PRODUCT INFORMATION

SCP DropLiner is a fast-set, spray applied, (1:1) two component polyurea. It is 100% solids and contains zero VOCs and is designed for applications to steel and concrete. Product features include:

- ⇒ Formulated for water treatment and wastewater applications, including aeration basins, manholes, lift stations, and sewage exposure.
- ⇒ Excellent H<sub>2</sub>S corrosion protection and resistance
- ⇒ Superior elongation which offers excellent protection against soil stress and substrate movement
- ⇒ High abrasion resistance for harsh environments
- ⇒ Seamless monolithic waterproof membrane which eliminates I&I in collection systems
- ⇒ Odorless non-toxic vapors

<b>Color</b>	Standard sky blue (others available upon request)
<b>Dry Film Thickness</b>	Standard application to concrete is between 80 and 250 mils For applications to steel consult manufacturer
<b>Solid's content</b>	100%
<b>Gel Time / Tack Free Time</b>	11 seconds / 22 seconds
<b>Packaging, storage &amp; shelf-life</b>	SCP DropLiner comes standard in 55 gallon drums. Other packaging is available upon request. It should be stored in sealed containers between 60F and 90F. Shelf life is 12 months in factory sealed containers.
<b>Physical Properties &amp; Chemical Resistance</b>	Available upon request

## SURFACE PREPERATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion. Minimum recommended surface preparation:

<b>Steel</b>	Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (3 mils / 75 microns). Prime any bare steel the same day as it is cleaned or before flash rusting occurs, as required.
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**Concrete & Masonry:**

SSPC-SP13/NACE 6 or ICRI No. 310.2R-2013, CSP 3-5. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids with recommended repair material.

**Moisture content**

Use calcium chloride test: 3 lb./24 hr./1,000 ft<sup>2</sup>. Concrete shall be 5% maximum as per ASTM F2170 & ASTM F2420. Substrate and air temperature must be 5°F above dew point and rising before material application.

Check for soluble salts on surfaces to be coated. If amount of soluble salts exceeds recommended limits, treat accordingly. Repeat process until acceptable limits are reached. Maximum amounts of soluble salts (micrograms per square centimeter): Chlorides - 3 immersion, 7 non-immersion. Nitrates - 5 immersion, 10 non-immersion. Sulfates - 10 immersion, 20 non-immersion.

If required, holiday test in accordance with ASTM D5162 for steel, or ASTM D4787 for concrete.

## APPLICATION GUIDELINES

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SCP DropLiner adheres extremely well to properly prepared metal, wood, concrete, fiber glass, and other various metal surfaces.

SCP DropLiner must be applied through a two component, high pressure proportioning unit. Material and hoses should be heated to 150°F, with pressure at a minimum of 2200 psi.

**Mixing Instructions**

Agitate resin blend (B) component thoroughly with a drum mixer before use to disperse pigment and assure homogeneity. Do not thin. Do not agitate in air and moisture.

Consult a Technical Representative regarding specific metal/steel surface preparation and priming requirements. For concrete applications, we recommend **Droprime 3558** or **Droprime CP**.

## ADDITIONAL INFORMATION

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**Safety and Handling**

Please refer to MSDS for safety and handling of this material. All personnel working with this material are expected to read and understand the safety recommendations per MSDS. All personal Protection Equipment must be properly worn to protect worker health and safety.

**Product User Responsibilities**

Users of SCP DropLiner product are responsible for reading the general guidelines, product data sheets, specifications, and Safety Data Sheets (SDS) before using this material. Printed technical data and instructions are subject to change without notice. Contact your local SCP representative or visit our website [www.scpsolutions.com](http://www.scpsolutions.com) for current technical data/instructions.

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