



American Coating AM 1949

Polyurea Lining for Secondary Containment Applications

Features

Chemical Resistant

AM 1949 provides excellent resistance against a variety of chemicals used in the Oil and Gas Industry.

Good Flexibility and Elongation

AM 1949 is formulated to be extremely flexible and have high elongation to conform to the substrate during movement.

Wetting

AM 1949 is designed specifically to wet out geotextiles to create a tough, durable liner.

Fast Set

AM 1949 is formulated as a fast-set lining to minimize down times of application areas.

Zero VOCs

AM 1949 is a 100% solids coating and is formulated with zero VOCs.

Application

AM 1949 should be applied through a two-component, high pressure proportioning unit. Material and hose heaters should be between 150-170°F. Pressure should be a minimum of 2200 psi. If A side and B side pressures are not equal, stop spraying and examine equipment.

Be sure to consult with an American Coatings Technologies representative for specific recommendations regarding application.

Description

AM 1949 is a 1:1, fast-set, spray applied two-component polyurea coating. It is 100% solids and contains zero VOC's.

AM 1949 is specifically designed for application to geotextile fabric to form a durable, flexible, seamless liner for use in secondary containment applications. It is ideal for preventing leaks and containing spills of wastewater, fuels, and many other chemicals. AM 1949 has exceptional resistance to impact and chemical attack.

Typical applications for AM 1949 include wastewater containment, chemical containment and spill control, fuel loading and unloading stations, water ponds, vapor barriers and landfills.

Technical Data

Property	Value
Hardness , Shore D/A (ASTM D-2240)	40/92
Tensile Strength , psi (ASTM D-412)	2700
Tear Strength , pli (ASTM D-624)	330
Elongation , % (ASTM D-412)	320
Permeability , perms (ASTM E-96)	0.05
Linear Shrinkage , %	0.13
Application Temperature	
Substrate , °F	-40 to 110
Ambient , °F	-40 to 110
Gel Time , sec	10
Tack Free Time , sec	25
Recoat Window , hrs	8

*Values obtained in laboratory setting for comparison purposes only and should not be considered specifications.

Safety

This product is for industrial use only. Avoid contact with eyes and skin. Do not inhale or ingest. When spraying, wear a respirator or a fresh air hood. Spraying indoors requires forced ventilation. Be sure to read MSDS in its entirety prior to using AM 1949.

Packaging, Storage, & Shelf Life

AM 1949 is available in 55 gallon drums and 275 totes. It should be stored in sealed containers between 60°F and 90°F. Shelf life is 12 months under normal conditions.

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