



Product Description

Polyeuro® 7502FR is a fire retardant, fast set, rapid curing, 100% solids, flexible, aliphatic, two component spray polyurea that can be applied to suitably prepared interior or exterior concrete and metal surfaces. Its extremely fast gel time makes it suitable for applications down to -20°F. It may be applied in single or multiple applications without appreciable sagging and is relatively insensitive to moisture and temperature allowing application in most temperatures.

FEATURES

- » Fire Retardant
- » Excellent Thermal Stability
- » Meets USDA Criteria
- » Low Temperature Flexibility
- » Seamless
- » Low Permeance Rate
- » Non-Reactive
- » Excellent Color Retention
- » Good Chemical Resistance
- » Interior or Exterior Applications
- » Coats Most Metals without Primer
- » Installed With or Without Reinforcement in Transitional Areas

TYPICAL USES

- » Airports
- » Refineries
- » Fertilizer Plants
- » Mining Operations
- » Food Processing Plants
- » Marine Environments
- » Secondary Containment
- » Power Plants
- » Structural Steel
- » Warehouse Floors
- » Cold Storage Facilities
- » Landfill Containment
- » Paper and Pulp Mills
- » Parking Garage Decks
- » Walkways and Balconies
- » Water and Waste Water Treatment
- » Industrial and Manufacturing Facilities

COLORS

White. Custom colors are available upon request.

PACKAGING

- 10-gallon kit** One 5 gallon pail of Part-A and one 5 gallon pail of Part-B.
- 100 gallon kit:** One 50 gallon drum of Part-A and one 50 gallon drum of Part-B

Coverage

Polyeuro® 7502FR may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 1600 sq. ft.

Surface Preparation

Refer to general guidelines for complete information

TECHNICAL DATA (BASED ON DRAW DOWN FILM)

Mix Ratio by Volume	1A : 1B
Pot Life @ 150°F (65.5°C), 50% R.H.	10-15 seconds
Tack Free Time	60-120 seconds
Recoat Time	0-6 hours
Viscosity at 150-160°F (65.5-71°C), Brookfield:	
Side-A	200 ± 50 cps
Side-B	100 ± 20 cps
Density (Side A & Side B Combined)	9.91 lbs/gal
Flash Point	> 200°F (93.3°C)
Hardness, ASTM D-2240	50 ± 5 Shore D
Tensile Strength, ASTM D-412*	2300 ± 200 psi 15.85 ± 1.38 MPa
Elongation, ASTM D-412*	263 ± 50%
Tear, ASTM D-412*	225 ± 25 pli 39.33 ± 4.4 kN/m
Service Temperature	-40°F - 300°F

(*These physical properties from sample sprayed with Graco Foam Cat 200 @ 2000 psi minimum, with Gusmer GX7-400 mechanical purge gun @ 150-160°F. Different machine and parameter will change these properties. User should perform their own independent testing as properties are approximate.)

Mixing

Polyeuro® 7502FR may not be diluted under any circumstances. Thoroughly mix Polyeuro® 7502FR Part-B Base material with air driven power equipment until a homogeneous mixture and color is obtained.

Application

Both Part-A and Part-B materials should be preconditioned at 80-90°F before application.

Polyeuro® 7502FR should be applied using a plural component, heated, high pressure 1:1 spray equipment capable of minimum 2000 psi pressure.

Polyeuro® 7502FR may be applied at any ambient temperature. However, the equipment temperature is important. Both Part-A and Part-B materials should be sprayed at temperatures above 150°F. Adequate pressure and temperature should be maintained at all times.

Equipment Clean Up

Equipment should be cleaned with an environmentally safe, urethane-grade solvent (alcohol free) as permitted under local regulations immediately after use.

Storage

Polyeuro® 7502FR has a shelf life of six (6) months from date of manufacture in factory sealed containers.

Avoid freezing temperatures.

Store drums on wooden pallets to avoid direct contact with the ground.

If stored for a long period of time, rotate Part-A and Part-B drums regularly.



Limitations

Do not open until ready to use.

WARNING

This product contains Isocyanates and Curative Material.

This product is considered Dangerous Goods. DOT regulations classify it as:

Part-A: TOXIC LIQUID, organic, N.O.S. (Isophorone Diisocyanate), Class 6.1, UN 2810, PG III, TOXIC

Part-B: AMINES, liquid, corrosive, N.O.S (polyoxypropylenediamine), Class 8, UN 2735, PG III, CORROSIVE

Disclaimer: All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments. © 2018 Polycoat Products. All rights reserved. **REV-02-2019AA**