

Two-Component Aromatic Polyurea Protective Coating

DESCRIPTION

Polyeuro 5502 is a fast set, rapid curing, 100% solids, flexible, aromatic, two component spray polyurea that can be applied to suitably prepared concrete and metal surfaces. Its extremely fast gel time makes it suitable for applications down to -5°C. 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

- Excellent Thermal Stability
- Zero VOC
- No Toxic Vapours
- Odourless
- Meets USDA Criteria
- 100% Solids
- Seamless
- Low Permeance Rate
- Low Temperature Flexibility
- Non-Reactive
- Good Chemical Resistance
- Coats Most Metals without Primer
- Installed with or without Reinforcement in Transitional Areas.

TYPICAL USES

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

COLOURS

Grey

Due to its aromatic composition, Polyeuro 5502 will tend to yellow or darken in colour and will become flat after exposure to UV light. Polyeuro 5502 may be topcoated with an aliphatic polyurethane coating for a colourfast finish.

PACKAGING

10-gallon kit: One 5-gallon drum of Part A and one 5-gallon drum of Part B.

110-gallon kit: One 55-gallon drum of Part A and one 55-gallon drum of Part B.

COVERAGE

Polyeuro 5502 may be applied at any rate to achieve desired thickness. Theoretical coverage for one litre is 1.0 m² at a thickness of 1.0 mm.

TECHNICAL DATA

| | |
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| Hardness, ASTM D-2240 | 50 ± 5D |
| Mix Ratio by Volume | 1A : 1B |
| Mix Temperature | 65-71°C |
| Pot Life at 65-71°C | 2-4 seconds |
| Flash Point | >93°C |
| Abrasion Resistance, H-18, 1000 cycles, 1 kg | 76 mg |
| Tensile Strength ASTM412-C | 3000 ± 200 psi |
| Elongation, ASTM 412-C | 425% ± 20% |
| Tear, ASTM 624-C | 450 ± 50 pli |
| Split Tear, ASTM D-470 | 120 ± 20 pli |
| Service Temperature | -40 to 150°C |

SURFACE PREPARATION

Refer to general guidelines for complete information.

MIXING

Polyeuro 5502 may not be diluted under any circumstances. Use appropriate solvent for solvent purge line and flushing of equipment and if spraying stops for periods exceeding the pot life of the material. Thoroughly mix Polyeuro 5502 Part B base material with air driven power equipment until a homogeneous mixture and colour is obtained.

Dec 08 replaces May 07

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APPLICATION

Polyeuro 5502 may be applied at any ambient temperature. However, the mixing temperature is important. Both Part A and Part B materials should be sprayed at temperatures above 65°C. Adequate pressure and temperature should be maintained at all times.

Polyeuro 5502 should be applied using a plural component, heated, high pressure 1:1 spray equipment.

EQUIPMENT CLEAN UP

Equipment should be cleaned with an environmentally safe solvent as permitted under local regulations immediately after use.

STORAGE

Polyeuro 5502 has a shelf life of one year from date of manufacture in factory-sealed containers.

Part A and Part B drums must be stored between 24-32°C.

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

Avoid freezing temperatures.

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

LIMITATIONS

Do not open until ready to use.

WARNING

This product contains Isocyanates and curative material.

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