



"Not Just Paint, But Real Protection"

Colorama PC750D

Polycoat 750D

Product Description

Polycoat 750D is a fast set, rapid curing, 100% polyurea, flexible, two-component Spray coating material. **750D** is used by itself or in combination with other materials to produce coatings, liners, wearing courses, and resilient surfaces on metal substrates. Its extremely fast gel time makes it suitable for applications down to -50°C and up to +200°C without special conditioning of the component resins and isocyanates.

750D produces an extremely tough film at all thicknesses. Single or multiple pass applications produce films from 0.5 mm to 25 mm without appreciable sag or runs. **750D** may be applied in all positions and to any suitably prepared substrate. **750D** is inert, it will not hydrolyze, leach, or contaminate other materials, and is bondable and paintable.

750D is moisture and temperature insensitive, allowing application in the most problematic ambient conditions.

Physical Properties

of cured product

Touch Dry	6-10 seconds
Service temp.	-50C to 200C.
Shore hardness	50D approx.
Elongation	340- 400%
Tensile Strength	2650 psi
Tear Strength pli	410
Abrasion Resistance, mg lost (100gms, 1000rev, H-18 wheels)	110



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Uses

Polycoat 750D is a superior coating material designed specifically for industrial applications receiving constant or intermittent attack from contained materials, most corrosive substances, and abrasive action. **750D** is flexible, accommodating movement of the substrate, yet strong enough to remain intact under all conditions except major structural dislocations. With or without reinforcements **750D** may be used in transitional areas with confidence. **750D** may be used in interior or exterior applications. **750D** is recommended for repair of other films, on damaged metal surfaces, or in new construction and in cold weather conditions.

Ideal for applications in:

- Industrial Facilities
- Oil and Gas Transmission Pipelines
- Oil & Gas Tanks
- Manufacturing Facilities
- Conventional and Nuclear Power Plants
- Marine Environments
- Water and Waste Water Treatment
- Cold Storage Facilities
- Food Processing Facilities
- Pulp and Paper Mills
- Bottling and Canning Facilities
- Secondary Containment
- Refineries
- Fertilizer and other Process Plants
- Mining Operations
- Structural Steel Applications

Advantages:

- 100% Solids, Meets VOC Regulations.
- Flexible, 340-400% Elongation
- Excellent Thermal Stability
- Generally Suitable for Use when pH ranges from 4 -11
- Good Resistance to a Wide Range of Chemical Attack
- Coat Most Metals without Primer
- Non-catalysed, Non-reactive
- Low Permeance Rate
- Seamless Elastomer
- Remains Flexible in Cold Temperatures
- Return Project to Service in 60 Minutes
- Odorless, No Toxic Vapors



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CHEMICAL RESISTANCE

Measured after 200 hours of storage at room temperature.

Key (decrease in Mechanical Properties):

1 – 0 to 5% Decrease

2 – 5 to 15% Decrease

3 – > 15% Decrease

Chemical	Rating
Acetic Acid, 2%	1
Acetic Acid, 5%	1
Acetic Acid, 10%	1
Acetic Acid, 50%	3
Ammonia , 5%	1
Boric acid, 4%	2
Caustic Soda, 10%	1
Caustic Soda, 40%	1
Caustic Soda, 50%	1
Chlorine, 3%	2
Citric acid, 10%	1
Formaldehyde, 37%	1
Formic Acid, 2%	1
Formic acid, 5%	1

Chemical	Rating
Formic Acid 10%	2
Hydrochloric acid, 45%	2
Hydrogen peroxide, 10%	1
Lactic Acid, 45%	2
Linseed fatty acid	1
Methanol	2
Methylene chloride	3
Nitric acid, 10%	1
Phosphoric acid, 25%	1
Phosphoric acid, 50%	1
Potash, 20%	1
Saline solution, 30%	1
Soda solution, 20%	2
Sugar solution, 30%	1
Sulphuric acid, 10%	1
Sulphuric acid, 25%	1
Sulphuric acid, 50%	2
Sulphuric acid, 60%	2
Tannic Acid, 20%	1
Xylene	2

* Approximate values only. Should not be considered specifications. This data sheet is intended for general information only.