



2870 CRESTWOOD BLVD. STE B  
IRONDALE, AL 35210  
205-857-0040



**DEFENDER**

**DEFENDER CT250**

TECHNICAL DATA SHEET

## DESCRIPTION

**Defender CT250** is a fast set, rapid curing, 100% solids, flexible, aromatic, two component spray polyurethane polyurea that can be applied to suitably prepared concrete and metal surfaces. Its extremely fast gel time makes it suitable for small spray jobs, hard to reach places, and repairs. Supplied in cartridges for use with hand-held pneumatic spray dispenser, it offers excellent thermal stability. It may be applied in single or multiple applications without appreciable sagging.

## FEATURES

- 100% Solids
- Meets USDA Criteria
- Low Temperature Flexibility Non-Sag in Vertical Application
- No Toxic Vapors
- Zero VOC

## TYPICAL USES

- New Truck Beds
- Used Truck Beds
- Construction Equipment
- Recreational Vehicles
- Marine
- Hunting or Off-Road Vehicles
- Bumpers
- Boat Decks

## PACKAGING

**Sold per case: 1 case includes 6 A-Side and 6 B-Side cartridges (1:1 system)**

750 ML Side-A Cartridge (Isocyanate side) and 750 ML Side-B Cartridge (Resin side)

## COLORS

Standard colors are: Black, Blue, Red, Green, Yellow, Battleship Gray, Dolphin Gray, Indian Sand, Tan and Brown. Custom colors are available upon request for additional fee. Due to its aromatic composition, Defender CT250 will tend to yellow or fade in color and will become flat after exposure to UV light. Defender CT250 may be top-coated within six-twelve hours of application with an aliphatic polyurethane/polyurea coating for a colorfast finish.



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## TECHNICAL DATA

### BASED ON DRAW DOWN FILM

|                       |                |
|-----------------------|----------------|
| Mix Ratio by Volume   | 1A: 1B         |
| Gel Time              | 90-120 seconds |
| Tack Free Time @ 75°F | 5-7 minutes    |
| VOC Content           | 0%             |

\*These physical properties from sample sprayed with Pneumatic Spray Gun sold by UMI Coatings after bringing cartridge to temperature of 75°F and spraying at required low pressures.

## COVERAGE

One case of six kits (750 x750 ml cartridges) covers approximately 100 sq.ft. at ~40 mil thickness.

## SURFACE PREPARATION

In general, coating performance and adhesion are directly proportional to surface preparation. Most failures in the performance of surface coatings can be attributed to poor surface preparation. Polyurea coatings rely on the structural strength of the substrate to which they are applied. All surfaces must be free of dust, dirt, oil, grease, rust, corrosion and other contaminants. When coating substrates previously used, it is important to consider the possibility of substrate absorption, which may affect the adhesion of the coating system, regardless of the surface preparation. UMI Coatings recognizes the potential for unique substrates from one project to another. The following information is for general reference, and for project specific questions, contact UMI Coatings.

## MIXING

DefenderCT 200 requires no mixing, however shaking cartridges to properly activate is required.

## APPLICATION

Cartridges should be preconditioned to 75-80°F (24-27°C) before application. Recommended surface temperature must be at least 5°F (3°C) above the dew point.



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## STORAGE

Cartridges are recommended to be stored above 60°F (15°C). Avoid freezing temperatures. Store cases on wooden pallets to avoid direct contact with the ground. If stored for a long period of time, ensure cartridges are shaken well prior to use. No Warranty.

## LIMITATIONS

Do not open until ready to use.

**Warning: This product contains Isocyanates and Curative Material.**

## 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 user's responsibility to satisfy themselves, by their own information and test, to determine suitability of the product for their own intended use, application and job situation and user assumes all risk and liability resulting from their 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 UMI Coatings makes no claim that these tests or any other tests, accurately represent all environments.