



# Ultra-Drain Guard, Heavy Metal Model Specification

**Product:** Ultra-Drain Guard, Heavy Metal Model

**Manufacturer:**

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## 1.0 Description of Work

1.1 This work shall consist of furnishing, installing, maintaining, and removing Ultra-Drain Guard Heavy Metal Model sediment control device as directed by the engineer or as shown on the site drawings.

## 2.0 Ultra-Drain Guard Heavy Metal Model Materials

2.1 Ultra-Drain Guard Heavy Metal Model shall be manufactured from a specially designed nonwoven polypropylene geotextile and sewn by a double needle machine, using a high strength nylon thread.

2.2 Ultra-Drain Guard Heavy Metal Model shall be manufactured to fit the opening of the catch basin or drop inlet. Ultra-Drain Guard Heavy Metal Model will have the following features: an impermeable pvc top skirt; Ultra-Drain Guard Heavy Metal Model shall have quilted sections sewn into the body. Each section shall be filled with heavy metal removal media.

## Specifications for Ultra-Drain Guard Heavy Metal Model (Regular Flow)

Property	Test Method	Units	Test Results
Grab Tensile	ASTM D4632	lbs	220
Grab Elongation	ASTM D4632	%	50
Puncture	ASTM D6241	lbs	135
Trapezoid Tear	ASTM D4533	lbs	95
AOS	ASTM D4751	US Sieve	80
Flow Rate (through material)	ASTM D4491	gal/min/ft <sup>2</sup>	90
Flow Rate (bypass ports gpm)			770
Flow Rate (bypass ports cfs)			1.7
Permittivity	ASTM D4491	sec <sup>-1</sup>	1.5

### 3.0 Construction Sequence

3.1 To install Ultra-Drain Guard, Heavy Metal Model in the catch basin, remove catch basin grating. Clean dirt and debris from grating ledge. Insert Drain Guard. Reinstall grate. Drain Guard skirt must be secured (pinched) between grating and ledge. Cut the excess fabric off with a blade or knife if desired.

3.2 To remove Ultra-Drain Guard, lift grate/Drain Guard from catch basin using lifting straps.

3.3 Once the construction cycle is complete, remove Drain Guard from the basin and dispose of in accordance with local regulations and statutes.

### 4.0 Basis of Payment

4.1 Payment for all Ultra-Drain Guard Heavy Metal Model units used during construction is to be included in the bid price for the overall erosion and sediment control plan unless unit price is requested.

Note: This information is provided as reference only and is not intended as a warranty or guarantee. UltraTech International, Inc. assumes no liability in connection with the use of this information (8/1/24).