



SURVIVOR
WARMS-Weed Abatement
Rolled Matting System

SPECIFICATION SHEET

WEED ABATEMENT ROLL OR MAT (recycled rubber)

Weed abatement roll or rolls or mat (recycled rubber) work shall consist of furnishing and placing recycled rubber weed abatement roll or mat, in conformance with the Standard Specifications, these special provisions, as shown on the plans and as directed by the Engineer.

Attention is directed to "Order of Work" in these special provisions regarding guard railing installation requirements.

MATERIALS

Weed Abatement Roll or Mat

Weed abatement roll or mat shall be a commercial weed abatement roll or mat product. The roll or mat shall be a recycled rubber made from California waste tires and shall be permeable to air and water but shall prevent sunlight from reaching the soil. The roll or mat shall have a minimum thickness of 0.2 inches and have a minimum weight of 1.8 pounds per square yard. The roll or mat shall contain no herbicides but shall resist ultraviolet light, mildew and algae. The roll or mat shall be self-extinguishing when removed from flame.

Weed abatement roll or mat can be with or without prefabricated openings for posts.

The Contractor shall submit a one square yard sample of weed abatement roll or mat to the Engineer for approval prior to delivery of materials.

A Certificate of Compliance for weed abatement roll or mat shall be furnished to the Engineer in accordance with the provisions in Section 6-1.07, "Certificates of Compliance" of the Standard Specifications.

Weed Abatement Roll or Mat Collar/Straps

Weed abatement roll or mat collars/straps/straps, when using matting only, prefabricated by the manufacturer shall be the same material as the weed abatement roll or mat and shall attach at the base of each guardrail as a longitudinal piece 4" wide and the length of the guardrail post or beam circumference around the post without gaps using crack sealant.

Staples/Stakes

Staples/Stakes may be used for recycled rubber roll or mat installation shall be as provided by the manufacturer.

Modified asphalt crack sealant shall be a mixture of paving asphalt and ground rubber or ground rubber and polymer.

Crack Sealant

Modified asphalt crack sealant shall be a mixture of paving asphalt and ground rubber or ground rubber and polymer.

The gradation of the ground rubber shall be such that 100 percent will pass a No. 8 sieve.

Modified asphalt crack sealant shall conform to the following requirements:

| Test | ASTM Designation | Requirements |
|-------------------------|------------------|-----------------|
| Softening Point | D 36 | 80°C min. |
| Cone Penetration @ 25°C | D 5329 | 25 dmm, min. |
| Resilience @ 25°C | D 5329 | 35 percent min. |
| Flow | D 5329 | 3 mm max. |

Modified asphalt crack sealant material shall be furnished premixed in containers with an inside liner of polyethylene. Packaged material shall not exceed 66 pounds in weight.

Modified asphalt crack sealant material shall be capable of being melted and applied to cracks at temperatures below 400° F. When heated, it shall readily penetrate cracks 1/4 inch wide or wider.

A Certificate of Compliance for crack sealant shall be furnished to the Engineer in accordance with the provisions in Section 6-1.07, "Certificates of Compliance" of the Standard Specifications.

Caulking

Caulking used to seal weed abatement roll or mat material collars/straps to guardrail and sign posts shall be as specified by the manufacturer.

SITE PREPARATION

Areas to receive weed abatement roll or mat (recycled rubber) shall be cleared of trash and debris. Vegetation shall be removed to the ground. Cleared trash, debris and removed vegetation shall be disposed outside the highway right of way in conformance with Section 7-1.13, "Disposal of Material Outside the Highway Right of Way," of the Standard Specifications.

Prior to weed abatement roll or mat application, the areas shall be cleared as specified under "Clearing and Grubbing" in these special provisions.

After clearing, weed abatement roll or mat areas are to be graded to a smooth surface and compacted to not less than 90% relative compaction. The finished surface shall be smooth, firm, stable and free of rocks, clods, foliage, roots or other material greater than one inch in diameter

PLACEMENT

Weed abatement roll or mat shall be placed as shown on the plans, beneath and adjacent to guard railing and beneath roadside signs. Mats shall be secured in place with staples/stakes, spaced per manufacturer's specifications.

Placement Under Guardrails

Weed abatement roll or mat in guardrail areas shall be placed immediately prior to installation of guardrail posts if rolls are used, and after installation of guardrail posts if mats are used, both prior to the installation of rail sections.

Weed abatement roll or mat shall be placed over guardrail posts, allowing the roll or mat to drop to the ground. Weed abatement mat collar/straps shall be placed around the base of guardrail posts, covering all gaps. Joints between guardrail posts and mat collar/straps shall be filled with caulking, applied per the manufacturer's directions.

Weed abatement rolls or mats shall overlap adjacent paving or dikes by a minimum of 2 inches, and trimmed to a straight line. Butt joints between roll or mat and adjacent paving will not be allowed. Weed abatement roll or mat shall be fastened to the adjacent pavement or dike with crack sealant.

Following completion of roll or mat placement, crack sealant, and caulking, the roll or mat surface shall be flat, smooth, and in uniform contact with the soil surface, without bulges or wrinkles.

Placement Under Roadside Signs

Weed abatement roll or mat under roadside signs shall extend to a minimum of 2 feet in each direction away from the roadside sign post, measure from the center of the post.

Weed abatement roll or mat shall be placed immediately prior to the installation of roadside sign posts, if rolled abatement material is specified, prior to the installation of roadside signs. Weed abatement mats shall be butted against roadside sign posts and guardrails as cut for each installation to fit the post or guardrail;

Joints between weed abatement mat and roadside sign posts shall be covered with weed abatement mat collars/straps, as prefabricated by the manufacturer, covering all gaps. After placing mat collars/straps, joints between sign posts and mat collars/straps shall be filled with caulking, applied per the manufacturer's directions.

Following completion of roll or mat placement and caulking, the roll or mat surface shall be flat, smooth, and in uniform contact with the soil surface, without bulges or wrinkles.

MEASUREMENT

Weed abatement roll or mat (recycled rubber) will be measured by the square yard or square foot as determined from actual measurements.

PAYMENT

The contract price paid per square yard for weed abatement roll or mat (recycled rubber) shall include full compensation for furnishing and shipping, FOB Colton, CA, all materials, tools, equipment, and incidentals, excluding doing the work involved in placing weed abatement roll or mat (recycled rubber), complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.