

Activity: Erosion Control Mats/Blankets**SPD-03.6**

- Approach**
- **Straw Blanket** consist of weed free straw with a $\frac{5}{16} \times \frac{5}{16}$ top side and a minimum thickness of $\frac{3}{8}$ in. and minimum dry weight of 0.5 lbs per square yard.
 - **Excelsior blankets** are curled wood excelsior formed into a blanket with $1 \frac{1}{2} \times 3$ in. mesh sides and a minimum thickness of $\frac{1}{4}$ in. with a 0.8 dry weight lbs per square yard.
 - **Coconut blankets** consist of 100% coconut fiber with a $\frac{1}{4}$ thickness, a minimum dry weight of 0.5 lbs per square yard and a $\frac{5}{8} \times \frac{5}{8}$ in. maximum mesh .
 - **Wood fiber blankets** consist of reprocessed wood fiber with a maximum mesh size of $\frac{5}{8} \times \frac{3}{4}$ in. and a 0.35 lbs per square yard minimum dry weight.
 - **Jute mesh** consist of woven root fiber or yarn with regularly spaced openings between strands and a 1.0 lbs per square yard dry weight for basic slope applications.

- Installation Procedures**
- Shape and grade site.
 - Prepare a friable seedbed free from clods and rocks.
 - Temporary blankets should be installed vertically from the top of the slope to bottom.
 - For shallower slopes (less than 2:1) with height twice as much as the width, and a maximum height of 16 feet, the blanket may be applied horizontally. Concentrated flow area blankets should be placed in the direction of water flow.
 - Entrench blanket beyond the top and bottom of the slope and at any horizontal joint a minimum of 6 in.
 - Permanent matting begins installation at the bottom of the slope and works towards the top while being centered in the middle of the channel.
 - Shingle upstream layer over downstream layer overlapping 3 ft.
 - Temporary blankets should be anchored with staples per manufacturing directions.
 - Manufacturer's recommendations should be followed when choosing products.
 - All preliminary seeding and soil amendments should be done prior to installation of temporary blankets.
 - Permanent matting areas should be brought to final grade before installation of matting. After installation and backfilling of topsoil, seeding and mulch should be applied.

- Maintenance**
- Inspect erosion control matting before (if anticipated) and within 24 hours following rainfall events to check for movement of topsoil, mulch or erosion. Continue checking until vegetation is firmly established.
 - Inspect blankets or mats at least every 14 days.
 - Repair or replace netting that has been washed out, broken, eroded, and/or needing surface repair, re-seeding, re-sodding, re-mulching or topsoil replacement.

- Inspection Checklist**
- Inspection completed before a storm event.
 - Inspection completed within 24 hours after the end of a storm event of 0.5 inches or greater.
 - Erosion control mats are properly tucked.
 - Damaged areas have been repaired.