

**HYDRAULIC MULCH-BONDED FIBER MATRIX****DEFINITION AND PURPOSE:**

Hydraulic mulch consists of applying a mixture of shredded wood fiber or a hydraulic bonded fiber matrix (BFM) and a stabilizing emulsion or tackifier with hydroseeding equipment, which temporarily protects exposed soil from erosion by raindrop impact or wind. BFMs adhere directly to the soil, eliminating gaps between the product and the soil. A water-insensitive crust does not form, therefore plant growth is not inhibited. Mulch and BFMs biodegrade completely into material known to be beneficial to plant growth.

**APPROPRIATE APPLICATIONS:**

Hydraulic mulch and BFMs are applied to disturbed areas requiring temporary protection until permanent vegetation is established or disturbed areas that must be re-disturbed following an extended period of inactivity.

**CONDITIONS FOR EFFECTIVE USE:**

Type of Flow: Sheet flow only.

Wood fiber hydraulic mulches and BFMs are generally short-lived (only last part of a growing season) and need 24 hours to dry before rainfall occurs to be effective.

**WHEN BMP IS TO BE INSTALLED:**

Immediately after completion of a phase of grading.

**STANDARDS AND SPECIFICATIONS:**

Follow manufacturer's recommendations to maximize usefulness. Avoid mulch over-spray onto the traveled way, sidewalks, lined drainage channels, and existing vegetation. Materials for wood fiber-based hydraulic mulches and bonded fiber matrices shall meet environmental quality standards and not be a detriment to stormwater discharges from the site.

**OPERATION AND MAINTENANCE PROCEDURES:**

Inspect every week and after every ½" storm event until vegetation is fully established. Repair eroded areas and reapply product and vegetation.

**SITE CONDITIONS FOR REMOVAL:**

Typically left in place to degrade naturally.

**TYPICAL DETAILS:**

Not Applicable