

**EROSION CONTROL MATERIALS**  
**Section 981**  
**Grassing and Sodding Materials**

**981-1 Seed**

**981-1.1 General**

**981-1.2 Grass Seed**

**981-2 Sod**

**981-2.1 Types: Type 1 Certified Sod**

**981-2.1 Types: Type 2 Bonded Fiber Matrix**

**981-2.2 Dimensions:**

**981-2.3 Conditions:**

**981-3 Mulch**

**981-3.1 Types: Type 1 Straw & Hay**

**981-3.2 Types: Type 2 Hydraulic Wood/Cellulose Fibers**

**981-4 Tacking and Binding Agents**

**981-4.1 Summary:**

**A:** This section specifies a hydraulic spray applied tacking emulsion for the uses of adhering/retaining mulching materials to a fixed placement position.

**B:** Related sections shall include:

***General Construction Operations***

Section 104: Prevention, Control and Abatement of Erosion and Water Pollution.

***Clearing and Grubbing***

Section 110: Clearing and Grubbing.

***Earthwork and Related Operations***

Section 162: Stabilizing Soils

Section 162: Finish Soil Layers

Section 163: Blanket Materials

***Incidental Construction***

Section 570: Grassing by Seeding

Section 575: Sodding

Section 580: Landscape Installation

**981-4.2 Submittals:** Manufacturer's product data detailing, installation instructions, application rates, applicators preparation, product handling, storage and delivery recommendations shall be submitted.

**981-4.3 Products:**

**981-4.4 Acceptable Manufacturer:** Mat, Inc., 12402 Hwy 2, Floodwood, MN 55736 (Phone) 1-888-477-3028, (Fax) 1-218-476-2039.

**981-4.5 Materials:**

**A.** Tacking Emulsion: Mat-Spec Tac-SS© by Mat, Inc. The product has the following characteristics:

1. Material Make-up: Guar Gum hydro-colloid polymer
2. pH range: 6.2 ±1
3. 1% suspension: 4000 cps (30 minutes)
4. Packaging: 10 lb., 20 lb. bucket and 50 lb. bags

**981-4.6 Preparations:**

**A:** Clearing, grubbing, excavation and/or filling the area shall prepare the installation site to design grade.

**B:** The surface to receive the tacking emulsion shall be prepared to a relatively smooth condition free of obstructions, depressions, debris and soft or low-density pockets of material. The material shall be capable of supporting a vegetative cover.

**C:** The vegetative cover soils shall have a complete analysis identification supplied from a third party.

**D:** The soils shall be amended to the sufficient levels to establish and maintain nutrient uptake for a period of 183 days from the time of planting.

**981-4.7 Installation:**

**A:** Accurately follow manufacturers recommended mixing procedures, application methods and instructions.

**B:** Install materials at the following rates:

**1. Tacking and Binding agent for Hydraulic Applied Mulching Fibers:**

**aa: General Performance:** 3-5 oz. Per 100 gallons of water.

**bb: High Performance:** 6-12 oz. Per 100 gallons of water.

**2. Tacking and Binding agent for Straw/Hay Mulching:**

**aa: General Performance:** 5-10 oz. Per 100 gallons of water.

**981-4.8 Cleaning and Disposal:**

**A:** Rinse and flush application machine to manufacturers recommendations.

**B:** Rinse out empty containers thoroughly. Dispose of containers in an approved landfill or by other procedures approved by state and local authorities.