

Soil Binder



02-0103-11

Icons: A blue circle, a pink circle with a cross, a black circle with a triangle, an orange circle with a flame, and a black circle with a scale.

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One of the water quality Best Management Practices available for erosion control during CDOT highway construction is the use of soil binders. One of the more common soil binders, is a chemical polymer called polyacrylamide, or PAM. Protection of water quality dictates that the PAM used must be anionic. The soil binder is mixed in a water truck or hydroseeder and applied in a liquid state.

Soil binders can be used as a temporary soil stabilizer on disturbed areas. They also can be used in conjunction with seeding, mulching and mulch tackifier to reduce soil loss and encourage vegetation establishment.

Guidance: CDOT Erosion Control and Stormwater Quality Guide, Chapter 5



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