

HYDROSEEDING

What is Hydroseeding?

Hydroseeding is a planting process that is very effective for the cultivation of hillsides and sloping lawns. To cultivate impassable areas, a slurry of seed and mulch is sprayed over prepared ground with water cannons. The greening formulation, which have to be adapted to site, consists of seeds, fertilizer, mulch and soil conditioners. To ensure homogeneous sprayed material the container is equipped with an agitator. The spraying unit is mounted on an all-terrain truck, a tractor trailer or on a helicopter to cover larger areas. Application with hose assemblies is also possible.

In addition to the "natural ingredients" an organic adhesive is added to the formulation. It acts as a lubricant to avoid clogging of nozzles and to form together with the seed and the soil a fixed layer protecting soil surface and seed against the erosion by wind and water.



The latest "star" at the ACAT sky serves this purpose:

We have expanded our product portfolio with SoilStar, an adhesive and lubricant for spray seeding. SoilStar is a white micro-bead polyacrylamide with an active substance content of 90 percent.

SoilStar does not only protect against erosion, but due to the stabilization of soil, it facilitates the penetration of water into the soil and increases water retention capability needed for the growth of the seed.

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Hydroseeding is used for the cultivation of embanking, closed down landfills and open pit mines, for the planting of rooftops and slopes in alpine terrain, in airport construction and flood protection.

In addition SoilStar is also ideally suited for dust control – for dust binding at major construction sites.

With hydroseeding also surfaces without humus can be improved. The preparation with soil conditioners quickly establishes protective vegetation. As a result a permanent erosion control is achieved and areas are returned to nature for further agricultural use.