

Phi (Ireland) Ltd.

Hydroseeding

Phi (Ireland) Ltd. provides a hydroseeding service as part of our range of erosion control systems. It can be used on its own or in conjunction with some of our other products.

Our experienced installation crews provide clients and contractors with optimum peace of mind and minimum risk.

Description

Hydroseeding involves spraying a special liquid polymer onto the soil surface, using a special spray equipment with agitator.

For vegetation establishment, seedmixtures, fertilizers and soil conditioners can be added to the spray mixture.

Within a few hours of spraying, a firm water insoluble crust is formed. As a result, all wetted particles such as sand grains, fertilizer and seeds become bound to the surface. This fixing also prevents the fertilizer from getting washed away.

Hydroseeding does not seal the surface. The open structure of the bound matrix does not affect water absorption.

Once root growth has begun, the crust will decompose slowly into carbon dioxide and water.



Steep slope before Hydroseeding



Steep slope after Hydroseeding

Benefits

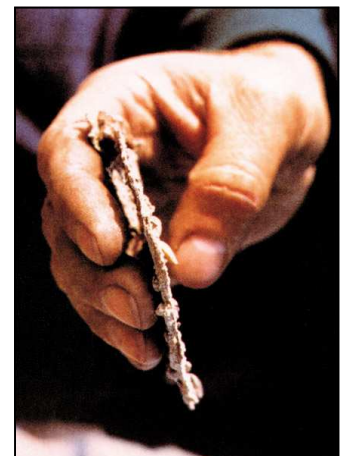
- φ Maintenance free.
- φ Low cost option for vegetating slopes.
- φ The slope is seeded, fertilised and protected against erosion at the same time.
- φ Surface soil particles, seeds and fertilizer are bound to the surface, reducing erosion and preventing the seeds and fertilizer from being washed away.
- φ Large areas can be hydroseeded in a very short time.
- φ Spraying with long hoses means areas with poor access and be reached and treated.
- φ Choice of seedmixes.
- φ Can also be used to prevent dust emissions by binding dust particles.

Uses

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| φ Steep slopes | φ Sports grounds |
| φ Waste tips | φ Vegetated roofs |
| φ Soil stockpiles | φ Refuse dumps |



Microsection of bound soil particles



Hydroseeding crust