Reinforced Soil Walls & Slope Stability Systems

DuraSlope | DuraGreen | DuraMesh
Cirtex Project Support options

Our technical support service is available in the initial stages of your project to discuss the options and recommend the best reinforced soil solution for your site.

Our experienced team may also suggest other repair solutions which are applicable besides Reinforced Soil solutions to allow you to compare options. Technical support includes typical solutions, case studies, data sheets etc.

Once you have identified a possible solution for the site, our Project Concept service is the next step. We will provide a comprehensive submission of the wall layout, reinforcement type and spacing and submit a proposal for your perusal. This is invaluable for costing and client submissions. The project concept submission may include CAD drawings, data sheets, internal stability analysis, and global stability analysis as appropriate. Refer to the Cirtex Project Design Options document, available upon request, for details on what is included in this service.

Once you have concluded that our project concept is the best option for the site, our third party certified design option may be utilised to provide project sign off. Cirtex can engage a Certified Engineer who is familiar with both the local area and the Cirtex systems to provide design certification if required.

Cirtex Design and Construction Support

Contact Cirtex for an appraisal of your site. We can provide detailed project concepts including reinforcement analysis and layout, CAD drawings and construction methodologies to assist you with achieving the best result.
The DuraSlope™ System is for slopes up to 45°, utilising primary structural GeoGrids for internal stability of the slope. It also incorporates a permanent Turf Reinforcement Mat (TRM) laid over the slope surface to prevent erosion and promote vegetative growth.

Reinforced Soil Walls, also called Mechanically Stabilised Earth Walls, are becoming increasingly popular as an economical and effective solution for steepened slopes and retaining walls.

With a Cirtex Reinforced Soil System each component is carefully selected and engineered to work together to provide a structurally sound long term solution. All structural elements are manufactured to strict ISO 9001 procedures and Quality Assurance data is available to the engineer as required. Cirtex can provide design support using the latest Slope Reinforcement and MSEW programs. This is available as either as a concept service free of charge, or a complete service with producer statement provided. Some costs will be incurred for the complete service.

DuraSlope™ Reinforced Soil System uses.

- AceGrid® HSP Geogrid - Primary Reinforcement GeoGrid.
- DuraFlow® or SecuDrain® Drainage Composites.
- LandLok® of ECP2 TRM.
- DuraGrid® Biaxial GeoGrid - Secondary Reinforcement GeoGrid

**FEATURES AND BENEFITS**

- Fast Construction
- Increases usable land
- Natural vegetated or stone facing
- Variable face angles
- Environmentally friendly
- Proven and reliable technology
- Design and Construction support

For more information on our products contact us 0800CIRTEX I INFO@CIRTEX.CO.NZ
The DuraGreen™ System is a proven engineered solution for slopes up to 70° which require a vegetated facing. Consisting of a GeoGrid wrapped face with biodegradable bags forming the face angle, DuraGreen is cost effective and fast to build. Cirtex offers typical plans and methodologies, and can customise this to suit your project.

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**DuraGreen™ Reinforced Soil System uses.**
- AceGrid® HSP Geogrid - Primary Reinforcement GeoGrid.
- DuraFlow™ or SecuDrain® Drainage Composites.
- Erosion Control Socks - Wall Fencing.
- DuraGrid™ Biaxial GeoGrid - Secondary Reinforcement GeoGrid.

**FEATURES AND BENEFITS**
- Fast Construction
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- Natural vegetated or stone facing
- Variable face angles
- Environmentally friendly
- Proven and reliable technology
- Design and Construction support
The DuraMesh™ System is a proven engineered reinforced soil system with a steel mesh facing for slopes up to 90°. The facing can either be vegetated or filled with stone for a gabion type appearance. Cirtex offers typical plans and methodologies, and can customise this to suit your project.

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**DuraMesh™ Reinforced Soil System uses.**
- DuraMesh™ Facing Panels
- AceGrid™ HSP Geogrid - Primary Reinforcement GeoGrid.
- DuraFlow™ or SecuDrain™ Drainage Composites.
- BioWool™ or BioCoir™ - Erosion Control Matting.

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CIRTEX SOLUTIONS
• Subsoil Drainage Filtration
• Reinforced Soil Walls
• Slope Stability Systems
• Earth Anchoring Systems
• Pavements, Embankments and Raft Foundations
• Landfill and Environmental Barrier Systems
• Stormwater Management Systems
• Erosion and Sediment Control
• Coastal Protection
• Surfacing Reinforcement
• Dewatering