**Why MACCAFERRI MACGRID™**

MACGRID™ WG reinforcement geogrids can be used as reinforcement material for the construction of:

1. **Reinforced Walls/Steep Slopes/Shallow slopes**
   
   MacGrid™ WG alone or in combination with Terramesh offer the most cost-effective and structurally stable solution for construction of reinforced soil structures.

2. **Segmental Walls**
   
   The availability of versatile technical values of Maccaferri MacGrid™ allows it to be incorporated into design using any proprietary software. This includes most of the available blocki design. This system is used especially for housing/township development.

3. **Noise Barrier**
   
   Construction of Reinforced Soil Bunds using Maccaferri MacGrid™ as main or additional reinforcement in combination with Terramesh units.

4. **Reinforced Piled Embankments & Basal Reinforcement on soft soils**
   
   High strength Maccaferri MacGrid™ can be commonly used:
   
   1. as basal reinforcement for construction of embankment over soft foundation soils. This application expedites the duration of embankment construction and protects the embankment from slip circle failure.
   2. as substitute to concrete deck over piled embankment. It is used to span the voids between piles. MacGrid™ offers the opportunity to further reduce costs by increasing the spacing between piles and reducing the number of piles.

5. **Soil veneer applications**
   
   Stabilisation of soil on smooth sloped surfaces in landfill application or in combination with geosynthetic barrier or synthetic membrane.
Technical Support

Through the years Maccaferri Technical team has been actively developing softwares to facilitate designing using Maccaferri products. Coupled with experienced Technical team, Maccaferri offers solution to typical geotechnical and environment problems.

Among the software widely used are:
- **MACSTARS**
  Reinforced Soil Structures Design
- **MacBARS**
  Basal reinforcement applications
- **MSEW®** (not proprietary software)
  Reinforced Soil Wall Systems

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**Quality System Guarantees**

production, certified internal management and technical assistance in compliance with ISO 9001:2000

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**MACCAFERRI**

**SOUTHERN AFRICA**

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