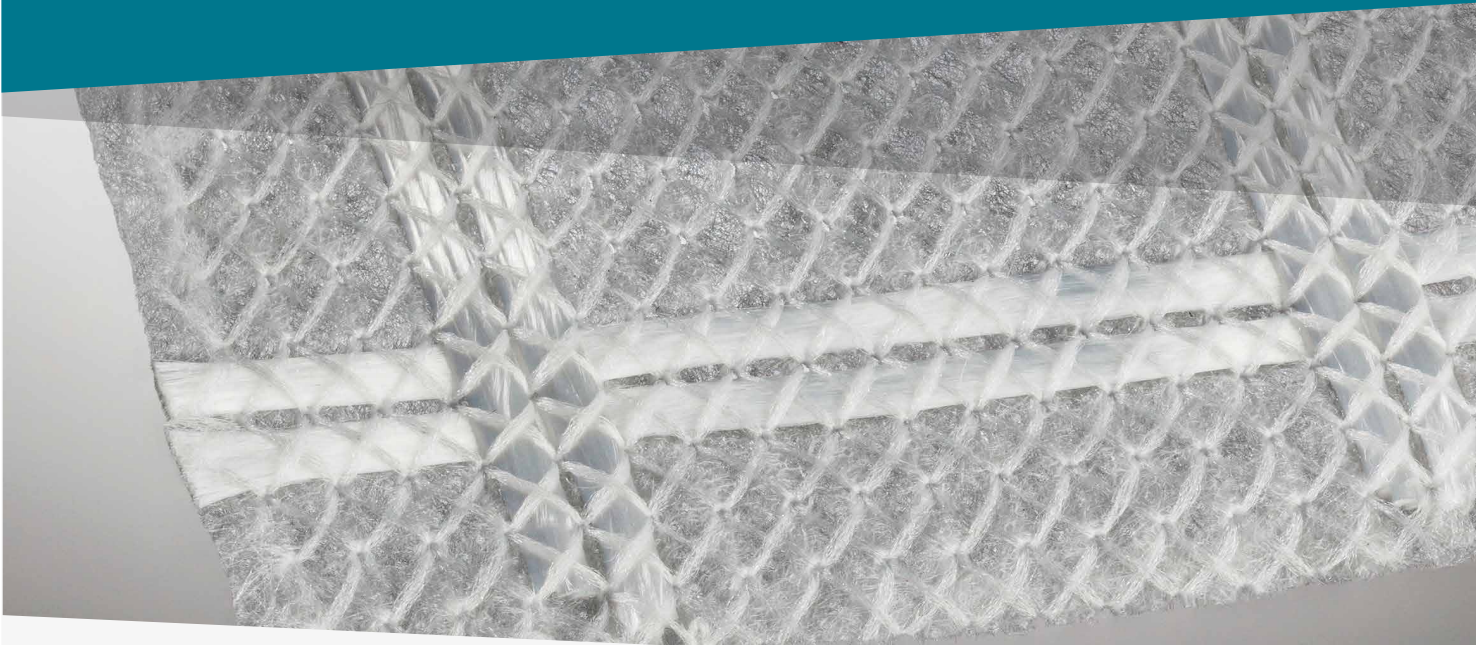


## ENKAGRID<sup>®</sup> PLUS G and M

KNITTED GEOCOMPOSITE FOR REINFORCEMENT  
OF ASPHALT PAVEMENTS & SOILS



**Enkagrid PLUS is a knitted geocomposite, comprising a geogrid made from high tenacity PVA or PET yarns combined with a nonwoven PET or PP geotextile. Enkagrid PLUS can be used for the reinforcement of asphalt pavements and soils.**

Typical areas of application include new roads, road repairs, repairs to sections of access roads and junctions, landslide repair, and reinforcement of unstable foundations. Enkagrid PLUS considerably enhances the durability of asphalt layers in road surfaces, and exhibits low strain at high tensile strength (4% for PVA version). It will also reduce the formation of ruts in areas of high traffic loading.

### Functions

- Reinforcement of asphalt layers
- Soil reinforcement
- Separation
- Filtration

### Application areas

- Construction of new roads
- Repair of asphalt sections in roads and motorways
- Repair of asphalt sections in car parks, airports and access roads
- Extensions and widening of thoroughfares and highways
- Asphalt reinforcement at locations exposed to intensive braking and acceleration
- Major junctions and bus stops
- Railway construction
- Landslide repair
- Reinforcement of unstable foundations, fillings and soil





### Features and benefits

- Higher resistance to damage from asphalt pavers and general installation damage compared with glass fibre based products
- Significantly reduces the occurrence of cracks
- Perfect adhesion with asphalt layers
- Heat resistant to 220°C
- Easy damage-proof installation – no fixing nails needed
- Similar strain rates to bitumen
- Speeds up construction time, even in winter
- Increases the stability of fillings
- Provides filtration and separation functions
- Low creep values for long term stability
- Significantly lowers costs related to transfer of earth to the site
- Reduced carbon footprint compared with traditional methods

### Technical details

Enkagrid PLUS is a combination of knitted geogrid manufactured from high tenacity PET (G type) or PVA (M type) yarns, and nonwoven PET or PP geotextiles.

- Enkagrid PLUS with PET yarns can also be used for soil reinforcement
- Enkagrid PLUS exhibits low strain at high tensile strength (4% for PVA in M type)

Data sheets with full technical details are available on request. Low & Bonar offers full design support. Contact us for further details.

### Quality

The Quality Management Systems of Low & Bonar facilities have been approved to the ISO 9001 Quality Management System Standard. Certificates are available on request.

### Product group

#### ENKAGRID

### Leaflets in this group

ENKAGRID PRO  
 ENKAGRID MAX  
 ENKAGRID TRC  
 ENKAGRID G and M  
 ENKAGRID PLUS G and M

### Disclaimer

All information and product specifications provided in this document are accurate at the time of publication. As the Low & Bonar Group follows a policy of continuous development the provided information and product specifications may change at any time without notice and must not be relied upon unless expressly confirmed by a relevant member of the Low & Bonar Group upon request. No liability is undertaken for results obtained by usage of the products and information.

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