

INNO-FLOOR

FOX PROMAT GG 80/80

Bidirectional Geogrid Mesh

Descriptipn

FOX PROMAT GG 80/80 is a polyester-based, bidirectional, alkali-resistant geogrid reinforcement mesh that provides high tensile strength in both directions.

Fields of Application

- For outdoor applications,
- In floor and surface coating systems,
- For preventing cracks caused by stress and tension,
- For increasing load-bearing capacity in airport runways, aprons, and taxiways,
- For minimizing local settlements on weak subsoils and reducing the amount of sub-base and base fill material in road construction,
- In liquid and solid waste storage areas,
- Under container storage fields and foundations of industrial structures to increase the bearing capacity of heavy foundations and prevent local settlements,
- As an intermediate layer in coating systems for crack control and surface stability.

Advantages

- Long service life due to high alkali resistance,
- Prevents crack formation,
- Durable and reliable,
- Resistant to seismic and dynamic loads,
- Allows thinner fill layers on weak subsoils,
- Forms a stable platform and prevents differential settlements,
- Reduces excavation volume of unsuitable existing soils,
- When applied in multiple layers, significantly increases soil bearing capacity.

Technical Properties

Tensile Strength (MD)	EN ISO 10319	≥80 kN/m
Tensile Strength (CMD)	EN ISO 10319	≥80 kN/m
Elongation at Nominal Tensile Load (MD)	EN ISO 10319	%10 (+3)
Elongation at Nominal Tensile Load (CMD)	EN ISO 10319	%10 (+3)
Aperture Size (MD)		29 (±3) mm
Aperture Size (CMD)		29 (±3) mm

The above values are given at +23°C and 50% relative humidity. Higher temperatures shorten, lower temperatures extend the setting time.
MD: Machine Direction CMD: Cross Machine Direction

Coating System

Application Procedure

In the **FOX ECODRAIN** coating system, **FOX PROMAT GG 80/80** is applied as a load-bearing layer on the substrate. The surface to be covered with **FOX PROMAT GG 80/80** must be properly leveled and prepared. Make sure there are no harmful elements such as plant roots, holes, or large and sharp stones that could affect the application. **FOX PROMAT GG 80/80** should be laid evenly on the prepared surface and stretched to remove any undulations. The mesh should be laid side by side without leaving gaps, and the rolls should overlap at the edges. Overlaps should be made with at least 10 cm overlap. Aggregate and **FOX STONECARPET BINDER PU 1K** are mixed for approximately 3–4 minutes using a suitable mixer until a homogeneous mixture is obtained. The prepared mixture is poured over **FOX PROMAT GG 80/80** and spread evenly to the desired thickness using a trowel or screed.

Watch Points

- The mesh should not be bent or wrinkled during application.
- Roll cuts must be straight, and no gaps should remain in overlapping areas.
- After laying, the product must be covered as soon as possible and within a maximum of one month.

Packaging

50 m²/Roll



Storage

It must be stored in its unopened original packaging, in a cool, dry place protected from frost, humidity, and any contact with water. For short-term storage, a maximum of three pallets may be stacked on top of each other, and the first-in, first-out (FIFO) principle should be applied during shipment. For long-term storage, pallets must not be stacked.

Safety Precautions

It is dangerous to approach storage and application areas with fire. These areas must be properly ventilated. During application, appropriate work clothing, protective gloves, goggles, and masks must be worn in accordance with occupational health and safety regulations. Avoid contact with skin and eyes during storage and application; in case of contact, wash immediately with plenty of water and soap. If swallowed, seek medical advice immediately. Food and beverages must not be brought into application areas. Store out of the reach of children. For detailed information, refer to the Material Safety Data Sheet (MSDS).

Disclaimer

The data contained in this technical document are based on our scientific and practical knowledge. FOX BAU YAPI KİMYASALLARI A.Ş. is only responsible for the quality of the product itself. The company cannot be held liable for any consequences arising from applications or uses other than the written recommendations provided, and/or from improper use. For further details, please refer to the Safety Data Sheet and Technical Data Sheet or contact our authorized representatives.



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