



TeraGrip

Anti-Stripping Agent

TeraGrip improves stripping resistance to ensure formation of a strong bond between bitumen and aggregate.

Istanbul Teknik has creative and innovative asphalt chemicals for secure, economic, environment friendly and robust bituminous road coatings.

Istanbul Teknik asphalt chemicals conform to Technical Specifications of Turkish State Highways and International Institutions.



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ADVANTAGES

The underlying reason of certain deteriorations experienced such as raveling, cavities, cracks, etc, occurring at the asphalt surface is the stripping of bitumen from the surface of the aggregate due to insufficient stripping resistance and adhesion. The stripping resistance of the aggregate is dependent on type of chemical additive as well as geological and mineralogical properties of aggregates. One of the most significant parameters affecting the service life of bituminous coatings is the surface tension effecting adhesion between aggregate and bitumen. Use of **TeraGrip** improves service life of the asphalt road with a small additional cost when compared to the total asphalt material costs

APPLICATION

Aggregates have hydrophilic properties, so water easily coats the aggregate. Bitumen, on the other hand, never merges with water and diverges from the environment that contains water.

Presence of water in the environment prevents adhesion and water diverges bitumen from the aggregate. Therefore, deteriorations start with the impact of the traffic.

TeraGrip antistripping agents are generally used at the Hot Mix Asphalt (HMA) and surface dressing applications. **TeraGrip** can be mixed with bitumen in the service tank manually or automatically by means of circulating pump. **TeraGrip** dosage is between 0,1 % up to 0,4 % of bitumen weight.

TeraGrip comes in liquid or solid forms in various activity groups. The physical state of the additive has no impact on the dosing quantity. Dosage is defined according to activity/type of the **TeraGrip**.

PACKAGING AND STORAGE

The product shall be stored away from the sunlight and humidity. The product is supplied in 18 kg buckets, 20 kg paper craft bags, 200 kg barrels or 1000 kg IBC's.

TECHNICAL SPECIFICATIONS

Product	Physical Appearance	Content	Flash Point (°C)	20 °C Density (g/cm³)	Colour
TeraGrip PH	Liquid	PPA Ester	>150 °C	1,03-1,09	Dark Purple
TeraGrip AN	Liquid	Alkilamydopolyamine	>150 °C	0,94-0,96	Honey
TeraGrip ANG	Flake	Alkilamydopolyamine	>150 °C	0,94-0,96	Yellow

Barrels Packing



Paper Packaging



Buckets Packing



IBC Packing

