

Eurotaff Terra 843

Description

EUROTAFF TERRA is an ecological, non-toxic, high performance polymer emulsion, specifically designed for soil stabilization and suppressing dust on a wide range of ground types. It is designed to increase the surface hardness and load bearing capacity. It provides excellent yield and economic maintenance of dirt roads and non-paved surfaces in a variety of applications, from road construction to soil erosion and particle emission control. When EUROTAFF TERRA is used according to the preparation and installation instructions, it can be applied to a broad range of types of ground in different climate conditions. It is highly water-resistant when cured; it stays stable under damp conditions without breaking the matrix of the soil/polymer and with no filtering of the polymeric product. EUROTAFF TERRA is a patented mixture of high performance polymers and additives designed to adhere the particles in a cohesive matrix. It is an exclusive and ecological product formulated to stabilize the ground and soil and create improved surface conditions of dirt roads. It represents no physical or health risks and is therefore considered non-hazardous in accordance with Standard 29 CFR 1910.1200 of the Occupational Safety & Health Administration Hazard Communication Standard (OSHA).

Non-hazardous characteristics are classified as follows:

- Environmentally safe
- Does not filter or disperse
- Not dangerous
- Not toxic for animals
- Does not inhibit plant growth
- Not flammable
- Not corrosive
- No monitoring required

Advantages

EUROTAFF TERRA is an economic product and user friendly. Eurotaff Terra 843 cures quickly, therefore provides minimum interruption in traffic and in road works in which time plays an essential role. The solids of the polymer are applied in a solution and as the water evaporates while curing, the polymer molecules merge and form strong links with the soil and aggregate particles. The advantages of EUROTAFF TERRA include:

- Long-lasting roads
- Less ruts, spalling and collapse of the road surface
- Erosion control
- Dust contention and particle emission control
- Less infiltrations and improved runoff

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- Greater capacity for load support
- Smoother roads and better quality travel
- Less wear on vehicles
- Easy to install
- Low maintenance
- Not toxic or hazardous

Packing and dispatch

258 Litre Drums & 976 litre lbc tanks. Dispatching requires no special handling or permits.

Handling and storage

When storing the product, protect it from frost and direct sunlight. It should be kept at temperatures between 40° F and 110° F (+4.4 °C and +43.3 °C) for best performance and to prevent the product from separating.

Limitations

Product performance is based on vehicle traffic rate, soil properties and adequate drainage. Some soils cannot be stabilized with polymers and show deficient performance in long-term applications. Performance criteria should be set and tailored to customer expectations.

Specifications

Physical state	Liquid
Colour	White
Smell	Characteristic
Flash point	Not applicable
Vapour pressure	17 mmHg @ 20°C
Solubility in water	Miscible in all proportions
pH	6.0 – 9.0
Viscosity	< 500 cSt (estimated)
Total Solids	> 50%
Specific gravity	0.95 – 1.10
Minimum temperature for forming a film	7° C (45° F)
Particle size	125 nm

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Environmental and safety instruction

EUROTAFF TERRA is a water-based dispersion of a latex copolymer. It is not classified as a “Hazardous Chemical Product” in accordance with “29 OSHA Hazard Communication Standards”. EUROTAFF TERRA 843 causes no eco-toxic effects, it is not bio-accumulative and involves no long-term health hazard if handled correctly, as per the manufacturers’ instructions.

EUROTAFF TERRA is:

- Water-based
- Non-flammable
- Not reactive and stable when stored in the recommended conditions

EUROTAFF TERRA can contain low levels of volatile organic compounds (VOC) or ammonia that evaporate and dry during application. Therefore, it should always be handled in well-ventilated places. Personal protection standard regulations are applicable when working with polymers. Eye and skin protection must be used when working with Eurotaff TERRA 843. For ecological information and complete instructions about handling the product, please contact technical office for material safety data sheet (MSDS).

Application procedure

Our design team tailors each product specific to the related project. We design and develop the best methodology for each project to deliver high standard quality meeting our customer’s expectation. In accordance with the aims of performance, there are two casual application methods, **infusion** and **contact**. The application by means of infusion involves the mechanical mixture of the polymer with the surface of the dirt road until to attain a unified thickness of 4 to 6 inches (8 to 15 cm), which is then compacted *in situ* and left to cure for a minimum period of 72 hours, depending on the temperature and other atmospheric conditions.

Application by contact consists of a polymer solution that is sprayed *in situ* over the prepared subgrade. The application requires a minimum curing time of 24 hours. Installation by contact involves a single spray application or several successive applications with different polymer concentrations, depending on the infiltration soil characteristic.

Guarantees

Guarantee is issued specific for each project.

Packing

250 or 976 litres containers. Transportation does not require any manipulation or special permissions.

Storage

Eurotaff Terra 843 have a shelf life of 12 months if kept in a dry store with 20°C in the original, unopened packs.