

# Eurotaff Terra 500 (Extreme climates)

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## Description

EUROTAFF TERRA 500 is an emulsified prepolymer, non-toxic with high performance, designed specifically for soil stabilisation and dust suppression of all kind of substrates. It is designed to increase surface hardness and load bearing capacity. It provides excellent performance and an economic maintenance for dirt and unpaved roads. It is used in a broad range of applications from road construction to soil erosion and the dust emission control. According to its specific formulation, Eurotaff Terra 500 is designed to perform and acclimatize to extreme climates. Eurotaff Terra 500 can sustain from  $-10^{\circ}$  to  $+50^{\circ}$  c. It can be cured in the vicinity of water and humidity. Eurotaff Terra 500 is a product formulated to stabilise the soil and improve the properties of dirt roads surface. EUROTAFF Terra 500 is economic and easy to use. Due to the quick curing, there is a minimum interruption in traffic. The solid particles of the polymer is applied by sprinkling over substrate and once it has reacted with humidity, the molecules of the polymer merge and conform a durable and sustaining bonding.

## Advantages

- Environmentally friendly as it Reacts with the humidity forming insoluble polymers, stable and inert
- It does not filter neither it disperses, and atmospherically has a very short life.
- It does not emit any hazardous gas by which reduces the layer of Ozone according to regulation (CE)2037/2000
- Durable roads
- Fewer grooves, rutting and sinking on the surface of the roads
- Erosion control
- easy maintenance
- Dust and soil particles emission containment and control
- Waterproofed road
- Greater capacity to bear load
- Smooth finishing and topcoat
- Less tire wear
- Easy installation

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## Comparing Eurotaff Terra 500 with another product

	<u>EUROTAFF TERRA 500</u>	<u>OTHERS</u>
Temperature of application	-10° C and 40° C	8°C and 30°C
Working under rain	possible	is not possible
Solid content	100%	50% Rest is water
Cured	-20° C -60° C	20° C- 40° C
Climatic resistance to -10° C	Resists	Deteriorates
Dried @15° C	24 hours	72 hours

## Properties

<b>Physical state</b>	Liquid
<b>Colour</b>	Honey, colorful
<b>Odor</b>	Characteristic
<b>Flashpoint.</b>	Elder to 600 ° C
<b>Steam pressure</b>	17 mmHg @ 20°C
<b>Solubility in Water</b>	It does not mix
<b>PH</b>	6.0 – 9.0
<b>Viscosity</b>	< 200 CPS
<b>Solids content</b>	100%
<b>Specific gravity</b>	0.95 – 1.20
<b>Minimum temperature in shape of Film</b>	-10° C
<b>Size of the Particle</b>	125 nm

## Installation

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 layer seat of the dirty road until to attain an alone thickness of 4 to 6 inches (8 to 15 cm), that afterwards compact in the place and leaves cure during a minimum period of 24 hours, depending on the temperature and other environmental conditions. In **application by contact** consists a solution of polymer by spray in the place on a layer of seat prepared. The application requires a time of cured minimum of 24 hours. The installation by contact can involve an only application with atomiser or several successive applications with different concentrations of polymer, in function of the characteristics of infiltration of the profile of the floor.

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## Safety instruction (MSDS)

EUROTAFF Terra 500 is not classified as hazardous chemical product. It turns into solid once is applied and is not bio cumulative. It is not a threat on a long-term basis for health if it applied in accordance with the manufacturer instructions. While working with EUROTAFF Terra 500 all applicators are recommended to use standard protective gloves, air mask and eye protection. For more information regarding safety instruction do not hesitate to contact a Eurotaff local technical office.

EUROTAFF Terra 500 is:

- Nonflammable product
- No reactive and is stable in the conditions of storage recommended

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