

# Eurotaff Inject 510

## An Stabilising, underpinning and consolidating Polyurethane injective grout

### Description

Eurotaff Inject 510 and CATL 510 is a low viscosity, single shot polyurethane based on MDI in combination with polyether polyols and an amine based catalyst. The system only reacts when it comes into contact with water, forming a rigid polyurethane foam.

### Advantages

- High expansion ratio >17 times
- Low viscosity
- Solvent free, environmentally safe.
- Reacts with saline and mineral water.
- Good chemical resistance.

### Typical application

- Soli stabilisation.
- Underpinning foundations.
- Consolidation for group anchors.
- Void filling.
- Injection into saturated group.



### Specifications

Eurotaff Inject 510	
Appearance	Brown liquid
Viscosity at 25°C Brookfield DV 11 spindle no.1at 60 rpm	25-50 mPa.s
Flash Point	>150°C
Density at 25°C	1.1

Eurotaff Catalyst 510	
Appearance	Clear liquid
Viscosity at 25°C Brookfield DV 11 spindle no.1at 60 rpm	25 -35 mPa.s
Flash Point	>130°C
Density at 25°C	0.97

# Eurotaff Inject 510

Reaction Times – Eurotaff Inject 510		
All Test Carried Out at 25°C		
Eurotaff 510	100 parts by weight	
Eurotaff Catal. 510	As a percentage of Eurotaff 510 by weight, as stated in the results	
Water	In all test, 10 parts by weight	
Eurotaff Cat.510	Reaction Time	Solidification
2%	163 seconds	15 minutes
5%	100 seconds	4 minutes
10%	55 seconds	110 seconds

Physical Properties of End Formed Product	
Compressive Strength (Din 53421)	4000kPa
Flexural Strength	1691kPa

## Application guideline

Eurotaff Inject 510 / Eurotaff Catalyst 510 are used for soil stabilisation in water saturated ground to form tieback anchors in loose soils giving high strength in a short period of time. It is also used for the underpinning of foundations and concrete constructions to prevent any further soil movement and settlement.