

MONNELI CONSOIL

Soil Stabilizer and Dust Suppressant

Product Description

An aqueous co-polymer emulsion resistant to saponification. It has excellent characteristic in stabilizing the soil surface once diluted with water. It penetrates into the soil to bind the particle into a more compacted unit, difficult to erode or destabilize.

Uses

CONSOIL is used to:

- Stabilize sand dune in desert
- Stabilizing dunes and slopes for roads and highways
- Erosion control for roads and highway
- Soil consolidation before excavation
- Landscaping, with the addition of suitable pigments and organic mulch

Advantages

- Eco-friendly. Non-toxic
- Does not contaminate ground water
- Harmless to both plants and animals
- Contains soil wetting agents
- Fully compatible with organic mulch
- Excellent resistance to erosion
- Penetrates to soil or other particulate materials

Instruction for Use

Pre-Application

Land must be levelled and graded prior to application as the compaction of soil will improve its ability to bear pedestrian movement. However, this step is not essential to soil stabilization and dust control.

Application

For better dispersion, dilute CONSOIL with water at a ratio of 1:6. Spray on the compacted surface of the soil using suitable spray equipment with the following features:

- Tank with light stirrer
- Non-clogging pump
- Spray hoses and nozzles

CONSOIL should be sprayed at an average rate of 1 m²/liter depending on the surface absorbency.

Subsequent coats shall be applied as per the rate recommended on the table (INGREDIENTS FOR 1,000 sq. m. per coat).

Recommendation

For superior erosion control, 2-3 coats of CONSOIL should be applied to the compacted area.

Technical Data

Properties	Result
Appearance	White liquid (clear once dried)
Density at 25°C	1.03 kg/L
Solid content	25%
pH at 25°C	5.5
Viscosity	300 cps
Vapor press. bar	0.025
Freezing point °C	0
Boiling point °C	100

All values are subject to 5-10 % tolerance

Packaging

CONSOIL is supplied in 200 and 1000 liter drums.

Storage

Should be sealed and stored in covered area, protected from heat. Shelf life is 9 months from manufacturing date if stored properly.

INGREDIENTS FOR 1,000 sq. m. per coat

	CONSOIL	WATER	MULCH	PIGMENT
Soil stabilizer & dust control	2 barrels	500 Liter	Nil	Nil
Wind & water erosion, control on slopes and embankments	3 barrels	700 Liter	110 kg	Nil
Landscaping including slopes and embankments	3 barrels	700 Liter	110 kg	10 – 20 kg
Hydro-seeding	2 barrels	600 Liter	Nil	Nil

Recommended Mix Design for 10cm thickness screed application/ sand chemical stabilizing layer :

CONSOIL	WATER	AGGREGATES
5 Liters	20 Liters	185kg

***Aggregates to contain 60% dune sand.**

The information in this Technical Data Sheet is based on Colmef Monnelli's experience. Colmef Monnelli does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Colmef Monnelli's Data Sheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

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