

Setsoil DC

Soil stabilising and dust controlling acrylic based emulsion, suitable for all types of soil



Description

Setsoil DC is a polymer based dispersion specifically designed to stabilise various types of soil, control dust and prevent soil erosion. When applied to any soil, Setsoil DC will penetrate deep into the soil infusing with the soil particles, and form a protective layer that is water resistant.

Setsoil DC imparts remarkable stabilization and durability properties to the soil, rendering it usable and suitable for pedestrian and vehicular traffic. It is economical, non-toxic and environmentally sound.

Applications

The concentrated product is diluted with water and applied either by mechanical soil infusion or by spraying application, to create a sturdy and flexible topical sealant, or a rigid and stable sub-base terrain.

Typical application areas include:

- ▲ Dust suppression and emission control.
- ▲ Slope erosion control.
- ▲ Path and trail stabilizer.
- ▲ Quarry areas.
- ▲ Aircraft runway stabilizers.
- ▲ Military bases.
- ▲ Construction sites.

Advantages

- ▲ Environmentally friendly.
- ▲ Better road vision.
- ▲ Longer lasting roads.
- ▲ Low maintenance.
- ▲ Water resistant.
- ▲ Simple, easy and fast application.
- ▲ Long term cost effectiveness.
- ▲ Odour free.

Method of Use

Dilution

The concentrated product must first be diluted with water before application. It is recommended to add Setsoil DC to the dilution water, and allow 10 minutes for proper diffusion of the blend.

Technical Properties @ 25°C:

Colour:	White, colourless when cured
Brookfield viscosity: (spindle 3, 20 rpm)	10 - 30 poise
Density:	1.05 ± 0.02 g/cm ³
Solid content:	58 - 62%
VOC:	< 20 g/ltr

The ratio of dilution depends on the application type, soil properties and intended usage. Refer to the supplied ratio table for recommended dilution ratios.

Application

Setsoil DC should be applied to relatively dry soil, and only when there is no frost or rain forecast for 24 hours following the installation.

First dilute the concentrated product according to the specified ratios depending on the usage. It is recommended to add Setsoil DC to the dilution water and allow 10 minutes before applying for proper diffusion of the blend.

Excavate the soil down to the desired depth and infuse a first coat of the product. Apply the second coat when the first coat has fully cured and bound to the soil.

This typically takes 24 hours, but may take longer depending on prevalent weather conditions. It is recommended to apply the product using a pressurized system.

Cleaning

All equipment used must be clean and free from material residue.

Packaging

Liquid is available in 25 litre pails and 200 litre drums.

1000 litre IBC bulks can be easily loaded on the back of trucks and attached to hoses for direct application or can be poured into water trucks.



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Storage

Storage of unopened container should be in a clean area, above 10°C and away from direct sunlight. Do not allow the product to freeze.

Avoid long term storage at temperatures in excess of 45°C.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

Shelf Life

Liquid is stable for one year in its original packaging. Liquid is stable for one year after opening the container if stored properly between 5 - 25°C in a closed container. Any deviation from these conditions will reduce the shelf life.

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A wide range of construction chemical products are manufactured by DCP which include:

- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

Table of Dilution and Coverage Rates for Topical and Infused applications

Intended Product Use:	Dilution Parts concentrate to water	Minimum Application Rate	Minimum Advised Infusion Depth
Dust suppressant - No traffic	1:9	0.5 ltr/m ²	5 mm
Dust suppressant - With traffic	1:6	1 ltr/m ²	20 mm
Unpaved trails and parking lot	1:3	5 ltr/m ²	150 mm
Helicopter pad and aircraft runway	1:3	7 ltr/m ²	200 mm
Paths	1:3	1.5 ltr/m ²	50 mm
Slope erosion control	1:6	1.5 ltr/m ²	50 mm
Unpaved military runway	1:3	10 ltr/m ²	250 mm
Heavy duty haul road	1:3	10 ltr/m ²	250 mm
Roadway - Light duty	1:3	7 ltr/m ²	200 mm



Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

- expertise
- quality
- full range