

1. Denomination

COMPOSOLID SYSTEM

2. Definition

COMPOSOLID It is a powerful polymer emulsion, ecologically safe and very effective, specially formulated for:

- Soil stabilization.
- Control of dust emissions.
- Control erosion and sediment loss

COMPOSOLID provides cohesion and excellent elasticity, a good cost-benefit ratio, strict compliance with environmental standards and optimum results in all circumstances.

El sistema **COMPOSOLID** presenta las siguientes características:

- Increases the bearing capacity in all types of surfaces and floors.
- Stabilizes the surface to resist breakage displacement, disintegration and collapse.
- Prevents water to penetrate and destabilize the surface
- Resistant to wind, rain, UV light and other weather conditions.
- It is colorless when it gets dry, which gives an aesthetically pleasing appearance.
- Acts respecting the air, water, aquifers and supports the passage torrential rains.
- Non-toxic, non-corrosive, non-flammable.
- It enables compliance with regulations and environmental regulations.
- Creates smooth surfaces that contribute to improve efficiency and operability.

COMPOSOLID effectiveness is due to the length and strength of the polymer molecules and their ability to adhere to surface materials. The particular chemical structure of **COMPOSOLID** consists of linear molecular chains of links transversally connected with other chains or molecular networks that can reach a length of 1,000,000 molecules. It is a true giant compared to other molecular structure much shorter as oil, calcium, petroleum resins or asphalt emulsions whose length ranges from 100 to 10,000 molecules. As a result, **COMPOSOLID** can be as hard as steel or as elastic as rubber.

COMPOSOLID is a cold paving system consisting of applying a surface treatment by watering or homogeneous mixed with a polymer emulsion in situ soil or ground input. The emulsion is completed by the addition of water, sufficient quantity to achieve an optimum moisture of soil compaction to be treated. The result, after mixing with the soil and the evaporation of water, is a tight and hard product, high quality, definition and duration.

3. Materials

- **COMPOSOLID**: Aqueous emulsion of acrylic vinyl acetate polymer, which the main physical and chemical characteristics are:

Boiling temperature	100°C
Steam pressure (to 20°C)	17 mm Hg
Global density	1,04 a 1,15
Water solubility	Dilutable
General appearance	Milky white liquid / Transparent once dry
Odour	Acrylic / odorless when it gets dry
Ph	4,0 – 9,5

- Water: Water is used both natural and refined, whether or not drinking, that the practice is sanctioned as acceptable.



4. Technical requirements - Dosage

The ideal work formula will depend on the type of soil to stabilize and will determine in each case from the design tests in laboratory (granulometry, atterberg limits, Proctor, CBR index, abrasion loss, ...), according to the type of application and the requirements demanded.

Overall, and based on the experience of the works, it will be the following type:

COMPOSOLID	5 – 50%
Water	95 – 50 %

5. Limitations of execution

The application will take place when the ambient temperature in the shade is between 10 and 40 ° C and there is no well-founded fear of atmospheric precipitation during application and subsequent curing stage, to allow proper drying of the material put in work.

6. Substrate Preparation

COMPOSOLID is used as a dust suppressant, as a soil, to control erosion and sediment loss.

Los principales campos de aplicación de **COMPOSOLID** son:

- Unpaved roads and highways
- Slope protection
- Protection berms, ditches and medium uncoated
- Parking and highway rest areas.
- Construction sites and access roads or temporary work
- Stockpiles areas.
- Vials of parks and gardens
- Airports, airfields and helipads
- Sports fields
- solar farms and wind farms

It has been used to stabilize soils with a high content of asbestos and can also be applied on slopes as fixative for hydroseeding.

COMPOSOLID can be used to reduce dust emissions in haystacks storage of mineral and coal stockpiles, ash deposits of nuclear power plants, construction areas, military areas (parking areas, runways for helicopters, vehicle tracks traction , tennis immediate construction) to control dust mites in orchards and vineyards.

This information replaces all prior information. The specifications and technical data that appear on this sheet are only guidelines corresponding to laboratory averages. Composan reserves the right to modify them without prior notice and declines any responsibility for their wrongful use.



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