

## PAVILAND® NATURE



## DESCRIPTION

It is an ecological stabilised soil made of natural aggregates and binders, which give to it their mechanical properties.

## ADVANTAGES AND USES

- Good mechanical characteristics.
- Good draining capacity.
- Diverse range of finishes.
- Conserves the rustic appearance of roads and their natural colour.
- Total integration into the environment through the use of natural materials.
- High resistance to growth of weeds.
- Does not generate mud or dust.
- Does not generate runoff areas.
- Its components are 100% recyclable and natural.
- Possible choice of a range of natural colours.
- Solution for natural looking paving such as footpaths, rural and agricultural roads, parks and alleys, public and private gardens, residential areas, playgrounds, children's play areas, camp sites, historical heritage areas, sports centres, bicycle paths, tree basins, etc.

## SUITABLE SUBSTRATES

- Substrates must be able to withstand, without becoming deformed, the pressure received from the traffic on the surface area of PAVILAND.
- It is appropriate isolation of tree basins with geocompounds to avoid sulphates and other aggressive agents dissolved in the rain or irrigation water penetrating into the paving.

## APPLICATION PROCEDURE

- Dampen the substrate without swamping the surface.
- Mix the product with water in a mixer.
- Spread the semi-dry mixture over the substrate maintaining a constant thickness.
- Level the product, regulating between the enclosure limits.
- Compact with a roller compactor, taking into consideration that the compaction reduces the thickness by around 25%, for which reference boards can be used to supplement the enclosure limit thickness. The objective of this compaction is that the dry product density is above 95% of Proctor Normal. Compaction should be carried out in a maximum time of 2 hours after mixing the product.
- Enclosure limits such as plates or boards are often left as permanent formwork, visible in the finished work; it is possible the use of flat facing stones in work joints or other decorative elements that will be finally integrated into the paving.
- The finish can be left smooth after passage of compaction roller or a loose grain finish can be obtained with a soft brushing with a polypropylene bristle broom or by raking right after compaction.
- It is necessary to maintain the humidity of the working surface for at least a week with spray irrigation, taking care not to wash the recently compacted surface. Damp burlap can be used to cover the treated surface.

| Type of use | Prior treatment | Layer of seating | Layer of PAVILAND NATURE |
|-------------|-----------------|------------------|--------------------------|
|-------------|-----------------|------------------|--------------------------|

|                        |                                                                                                                                                     |                        |                           |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|
| Pedestrian paths       |                                                                                                                                                     | 15 cm after compaction | > 7 cm after compaction   |
| Parks                  | If the substrate's capacity is insufficient, a hollow will need to be made and filled with a layer of natural gravel settlement, max diameter 50 mm | 15 cm after compaction | 15-20 cm after compaction |
| Areas of light traffic |                                                                                                                                                     | 20 cm after compaction | > 20 cm after compaction  |

"The carrying out of a test section is recommendable to establish the construction procedure and to check the end result required".

- Opening to pedestrian traffic: 24 hours
- Opening to circulation of light vehicles: 15 days

### RECOMMENDATIONS

- Avoid using heavy rollers when the thickness to be applied is low.
- Work at a temperature between 5°C and 30°C.
- In case of strong sun and/or wind (risk of dehydrating of the Paviland surface) cover with damp burlap, if plastic sheeting is used as a covering, spray the work area first with water.
- In case of heavy rain, only plastic sheeting can avoid the product washing.
- Do not start work if there is a risk of frost for the week after applying the product.
- It is advisable to incorporate a gentle slope (2%) into the design in order to facilitate the discharge of water drained through the soil and to avoid saturation.

### PACKAGING AND STORAGE

1500 kg big bag and 25 kg laminated paper sacks.  
Shelf life: 1 year in sealed original packaging, sheltered from weather conditions and humidity.

### TECHNICAL DATA

|                                                  |                                             |
|--------------------------------------------------|---------------------------------------------|
| Colours                                          | Macael White, Albero, Macael Grey and Cream |
| Continuous granulometric grain size distribution | 0-8 mm                                      |
| Optimum mixed humidity                           | 6.5%                                        |
| Dry density                                      | 2.23 g/cm <sup>3</sup>                      |
| Resist. 7 days                                   | >3.5 MPa                                    |
| Resist. 14 days                                  | >5.0 MPa                                    |
| Resist. 28 days                                  | >6.0 MPa                                    |
| Resist. 56 days                                  | >7.0 MPa                                    |

### LEGAL DISCLAIMER

The instructions for use are given according to our tests and knowledge and do not imply any commitment by GRUPO PUMA nor free the consumer from the examination and verification of the products for their correct use. Claims must be accompanied by the original packaging to allow a proper traceability.

GRUPO PUMA is not responsible, in any case, for the application of its products or constructive solutions carried out by the application company or other parties involved in the process and / or execution of the work, limiting the responsibility of GRUPO PUMA exclusively to the damages directly attributable to the supplied products, individually or integrated in systems, due to failures in their manufacturing process.

In any case, the drafter of the work project, the technical management or the person responsible for the work, or collaterally the application company or other parties involved in the process and / or execution of the work, must ensure the suitability of the products addressing the characteristics of them, as well as the conditions, support and possible pathologies of the work in question.

The values obtained by GRUPO PUMA's products or its constructive solutions that, as the case may be, are determined by the EN standards or any other regulation that applies to it in each case refers exclusively to the conditions specifically stipulated in said regulation and that are referred to, among others, to certain characteristics of the support, humidity and temperature conditions, etc. without being them required in the tests obtained under different conditions, all in accordance with the relevant regulation.