

SOIL SPECIFICATIONS

1. Topsoil – Mix No. 1

1.1. Use:

1.1.1. For lawn foundation, seeding, and tree pits: use a mix composed **by weight of 5% topsoil (black earth) and 95% screened loam.**

1.1.2. The topsoil must be composed of compost, sand, arable soil, and black earth, and must meet the following requirements:

- Organic matter content: **between 6% and 7%**
- pH: **between 6.0 and 7.0**
- Cation exchange capacity (CEC): **between 10 and 20 meq/100 g of soil**
- Phosphorus (P): **≥ 27 ppm**
- Potassium (K): **≥ 126 ppm**
- Magnesium (Mg): **≥ 151 ppm**
- Calcium (Ca): **≤ 4000 ppm**

1.1.3. Producing a finished surface free of:

- .1. Debris and stones larger than **50 mm in diameter**;
- .2. Coarse vegetal matter **10 mm in diameter and 100 mm in length**, accounting for no more than **2% of soil volume**;
- .3 Consistency: **friable soil when moist.**

2. Topsoil – Mix No. 2

2.1. Use:

2.1.1. Planting beds for shrubs, perennials, and annuals.

2.1.2. The topsoil must be composed of compost, organic fertilizer, sand, arable soil, and black earth and must meet the following requirements:

- Organic matter content: > **15%**
- pH: **between 6.0 and 7.0**
- Cation exchange capacity (CEC): **≥ 10 and 20 meq/100 g of soil**
- Phosphorus (P): **≥ 67 ppm**
- Potassium (K): **≥ 134 ppm**
- Magnesium (Mg): **≥ 151 ppm**
- Calcium (Ca): **≥ 1001 ppm**

2.1.3. Producing a finished surface free of:

- .1. Debris and stones larger than **50 mm in diameter**;
- .2. Coarse vegetal matter **10 mm in diameter and 100 mm in length**, accounting for no more than **2% of soil volume**;
- .3. Consistency: **friable soil when moist**.