

**Product certificate**  
**K23896/04**

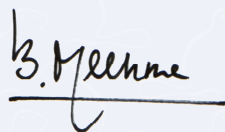
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|-------------|------------|----------|------------|
| Issued      | 2012-01-01 | Replaces | K23896/03  |
| Valid until | Indefinite | Dated    | 2011-01-01 |
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**Substrate materials**

On the basis of investigation and regular checks carried out by Kiwa, the products manufactured by

**Rockwool BV**  
**Grodan**

which are specified in this certificate, and which are marked with the Quality Mark indicated under "Marks", are, on delivery, deemed to meet the Kiwa Assessment Guideline: Assessment Guideline K10001/02 "Substrate materials".



Bouke Meekma  
Kiwa

Publication of the certificate is not allowed.

Advice: consult [www.kiwa.nl](http://www.kiwa.nl) in order to ensure that this certificate is still valid

\*) This is a translation. Only the Dutch text is legally binding.

## Substrate materials

### PRODUCT SPECIFICATION

| Single-season slabs |                   | Two-year slabs |                  | Multi-year slabs |                   | Growing blocks |                   |
|---------------------|-------------------|----------------|------------------|------------------|-------------------|----------------|-------------------|
| Class I             | Class II          | Class I        | Class II         | Class I          | Class II          | Class I        | Class II          |
| Expert              | Grodan Classic 1Y | (W)FMX         | Grodan Vital 2 Y | (W)FL            | Flortop Rosa      | Vitagreen      | Plantop Delta     |
| Master              | Grodan Vital      |                |                  |                  | VitaFlor          | Rose block     | Plantop Vitagreen |
| Basalan             | Grodan Vital Dry  |                |                  |                  | Grodan Classic MY | Grodan Delta   |                   |
| Classic             | Grotop Master     |                |                  |                  |                   | Substra        |                   |
| Master Dry          | Grotop Master Dry |                |                  |                  |                   | Substra clay   |                   |
|                     | Grotop Expert     |                |                  |                  |                   | Iberica clay   |                   |

### Quality guarantees

Requirements have been set for the following parameters in the certification scheme:

Product-group-specific requirements have been set for each Group of substrate materials. For a complete overview of the set requirements, see the sections concerned in the "Product requirements" chapter.

The generic product requirements that apply to all product groups are:

- |  |   |
|--|---|
| <p>§ Physical requirements;</p> <ul style="list-style-type: none"> <li>- Bulk density;</li> <li>- Air and water content.</li> </ul> <p>§ Chemical requirements;</p> <ul style="list-style-type: none"> <li>- EC;</li> <li>- pH.</li> </ul> | <p>§ Biological requirements;</p> <ul style="list-style-type: none"> <li>- Phytotoxic substances.</li> </ul> <p>§ Other requirements;</p> <ul style="list-style-type: none"> <li>- Traceability;</li> <li>- Storage;</li> <li>- Transport.</li> </ul> |
|--|---|

### APPLICATION AND USE

- § The substrate materials are intended for use as a root medium in production agriculture.
- § Within this certificate substrate materials are identified in the product group:
  - Mineral wool.

### MARKS

The products will be marked with the Kiwa wordmark. The certificate number must also be stated.

The design of the marks is as follows:

- Cannot be erased
- Quality mark K23896

Place of the mark:

When the packaged product is transported, each pallet must be provided with the mark.

**KIWA K23896**

Compulsory details:

- Product description,
- Ingredients or composition,
- Code for traceability,
- Quality mark reference,
- Certificate number,
- Properties per substrate group,
- Safety aspects.

### TIPS FOR THE CUSTOMER

1. On delivery, inspect whether:
  - 1.1 the agreed quantity has been delivered;
  - 1.2 the mark and manner of marking are correct;
  - 1.3 traceability code has been attached so that it is legible;
  - 1.4 the packaging of packaged goods is intact;
  - 1.5 transport has taken place in accordance with the requirements.
2. If you decide to reject the product on the grounds of the aforementioned points, contact:
  - 2.1 Rockwool BV in Roermond, the Netherlands and, if necessary,
  - 2.2 Kiwa Nederland B.V.
3. Consult the processing guidelines for the proper storage and transport methods.
4. Check whether this certificate is still valid by consulting [www.kiwa.nl](http://www.kiwa.nl).