

# KG 2000

Solid wall pipe system made with PP-MD according to DIN 14758

## Application area:

KG 2000 is a solid wall pipe system with ring stiffness of SN 10 in the colour green. The pipe system fulfils all requirements for a modern sewage pipe system for private and municipal drainage. KG 2000 can be installed in drinking water protection zones and under heavy traffic LM 1 (DIN EN 1991-2/NA) former SLW60. Installation is in accordance with DIN EN 1610 without any further specifics in installation depths from 0.5 m to 6.0 m. The Pipesystem KG 2000 can be used for the drainage of domestic, municipal and industrial waste water according to the chemical resistance.

## Product specifications:

- ⦿ Nominal sizes: DN/OD 110 – DN/OD 500
- ⦿ Range of fittings: bends, branches, double sockets, transitions and special fittings (see product range) in DN/OD 110 – DN/OD 500 in green
- ⦿ Material: Polypropylene with mineral additives (PP-MD)
- ⦿ Color: green
- ⦿ Standards: DIN EN 14758
- ⦿ Connections: push fit system with integrated socket
- ⦿ Sealing material: according to DIN EN 681-1; SBR, on request NBR
- ⦿ Sealing reliability: tested at 2.5 bar pressure
- ⦿ Chemical resistance: according to chemical resistance list, ISO/TR 10358, DIN EN 1852; pH 2–12

## Installation conditions:

- ⦿ Installation must be in accordance with DIN EN 1610
- ⦿ Compaction in layers of max. 30 cm height
- ⦿ Grain sizes depend on nominal pipe diameter and grain properties according to DIN EN 1610
- ⦿ Lower bedding layer according to Type I (100 – 150 mm), support angle of 90° and a cover of 150 mm
- ⦿ Compaction according to DIN EN 1610; depending on application Proctor  $\geq$  95%



**Green  
Connect 2000**  
For a safe land drainage

# KG 2000



## System specifications:

|                                  |  |   |
|----------------------------------|--|---|
| General                          | Diameter                                     | DN/OD 110 – DN/OD 500   |
|                                  | Material                                     | PP-MD   |
|                                  | Ringstiffness (according to DIN EN ISO 9969) | ≥ 10kN/m <sup>2</sup>   |
| Construction/Seals               | System                                       | solid wall pipe   |
|                                  | inside                                       | smooth  |
|                                  | outside                                      | smooth  |
|                                  | Connections                                  | push fit  |
| Seal                             | standard                                     | SBR   |
|                                  | on request                                   | NBR   |
| Static                           | Min. coverage                                | 0.50m   |
|                                  | Max. coverage                                | 6.00m   |
|                                  | Max. installation depth in groundwater       | 5.00m   |
|                                  | Traffic load                                 | LM1 according to DIN EN 1991-2/NA, rather: SLW60 according to DIN 1072                    |
| Approvals and relevant standards | Product standard                             | DIN EN 1852   |
|                                  | Application standard                         | DIN EN 476  |
|                                  | Seal   | DIN EN 681  |
|                                  | Installation                                 | DIN EN 1610   |
|                                  | Guidelines                                   | ATV-DVWK-A 142<br>ATV-DWK-A 127<br>DWA-A 118<br>DWA-A 139<br>ZTV A-StB 97<br>ZTV E-StB 09 |

## Sealing system:

### The triple protection

To avoid sewageleakage and groundwater does not enter the pipes and the environment KG 2000 offers an excellent Sealing safety. The patented seal system of KG 2000 consists of a sleeve with a specially designed gasket bead and a gasket bead matched to it 3-fold lip seal element.

- 1 **Tensioning and retaining lip:** With the first lip, the tensioning and retaining lip, the sealing element shift-proof is fixed in the groove.
- 2 **Wiper lip:** The following wiper lip prevents penetration of dirt and sand.
- 3 **Sealing lip:** The sealing lip seals the pipe connection in the final analysis in perpetuity off.



### Smooth surfaces

Very smooth inner pipe surfaces mean optimal hydraulics. The almost pore-free walls incrustations cannot be created. With each flow an ideal self-cleaning effect.