

# Product Data Sheet

## System Substrate "Roof Garden"

Order No. 616101 / 616201



System Substrate for intensive landscapes on roofs in multiple layer build-up or on underground car parks.



### Technical Data

#### System Substrate "Roof Garden"

Substrate consisting of Zincolit® Plus (high-quality crushed brick with selected mineral aggregates) and other components, such as sandy soil, enriched with Zincohum® (substrate compost enriched with fibre materials). Particularly suitable for intensive green roofs with demanding perennials. Deeper thicknesses\* can support shrubs, bushes and trees. The vegetation can be established by planting plug plants. Intensive roof gardens require irrigation during dry periods. For optimal plant development the use of an appropriate slow release fertilizer (e.g. ZinCo Plantfit® 4 M) is recommended (as shown in a special data sheet).

Available in Big Bags and as loose material in lorries.

Please calculate with a compaction factor of 1.3. That means for every square metre and 10 mm of substrate you order 13 l.

Delivery options  
in Big Bags  
loose on lorry

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### Features

- high-quality recycled product
- excellent water retention
- high air content – even at max. water capacity
- frost resistant and stable in structure
- pH neutral
- basic component Zincolit® is under constant quality control by the University of Hohenheim



### Chemical and Physical Properties

Parameter	Reference Value
Volume weight - dry - at max. water capacity	1000 g/l (+/- 100 g/l) 1500 g/l (+/- 100 g/l)
Maximum water capacity	ca. 50 Vol. %
Water permeability mod. $K_f$	0.3–30 mm/min
pH value (in $\text{CaCl}_2$ )	6.5–8.0
Salinity (water extract)	< 2.0 g/l
Organic content	< 90 g/l
Compaction factor	ca. 1.3

\* At thickness of more than 350 mm please install additional the mineral sub substrate Zincolit® Plus.

Subject to technical alterations and printing errors • First edition 05/2000; Revised 10/2012

