



# PURE NATURE

**Natural expanded silicate combines key advantages:**

- Very low weight
- High compressive strength
- Best insulation
- Excellent sound absorption
- High breathe-ability
- Non-flammable
- 100 % mineral
- Solvent free
- Odorless
- 100 % Recyclable

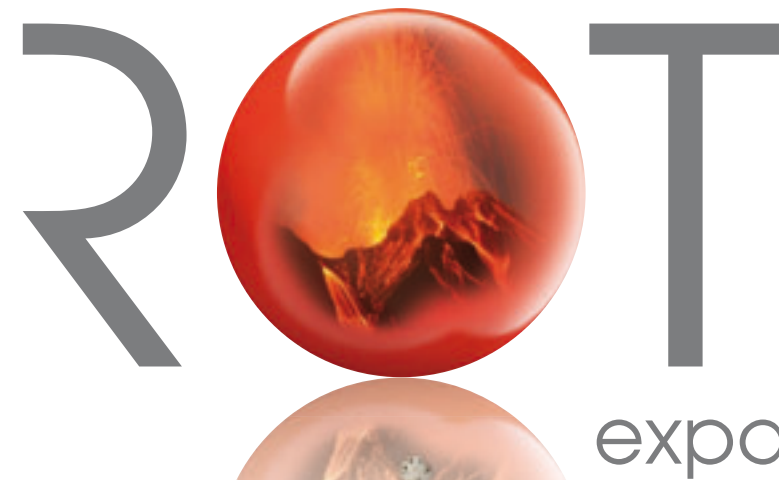


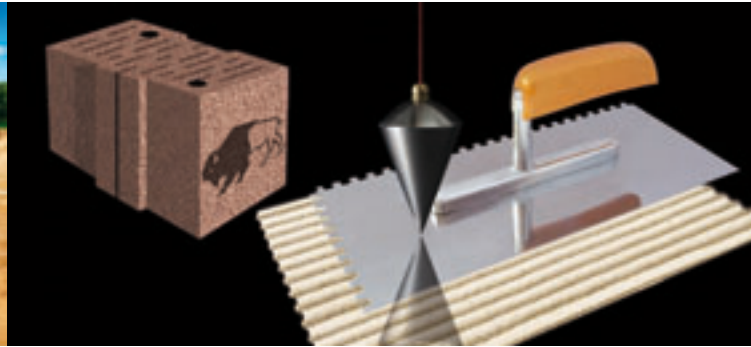
Call today for extensive product and application information.  
 Free product samples of all grain sizes can be sent immediately upon request.  
 We look forward to your call.



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Expanded silicate was formed during the last volcanic eruption about 12,500 years ago in Germany. Directly below the surface entrapped an air-pore-rich gravel shaped mineral from silica based raw materials - the Natural expanded silicate. ROTEC® promotes and refines this ecologically excellent raw material for the innovative light-weight aggregate ROTOCELL® and the ecologically valuable substrate ROTOPOR®.

**Naturally expanded silicate offers a world class LCA:**

- extracted from simple open pit mining
- restoration of mining areas to nature reserves or habitats
- energy-efficient drying
- purification by ecological friendly water segregation
- energy-efficient grinding and sieving
- packing free delivery in big bags or silo trucks



ROTOCELL® refers to a very light and dry granulate that is refined to high purity granulates through special grinding and sieving processes. 8 grain sizes from superfine 0.04 mm to 16 mm allow product innovations in virtually every industry line.

**Lightweight aggregate for:**

- Plasters
- Mortars
- Fibre reinforced concrete
- Construction chemicals
- Façade panels
- Lightweight panels
- Fire and sound protection panels
- Insulation products
- Fills
- Plastics
- Oil absorbers
- Water filters
- ...



ROTOPOR® is a custom designed and customized mineral/organic horticultural substrate mixture based on a natural silicate. Due to its open-pore structure, high tread durability, storage stability, high frost resistance and the balance between water permeability and water storage capacity RROTOPOR® meets individual substrate requirements par excellence.

**Horticultural substrate for:**

- Drainage layers
- Leveling Fill
- Green Roofs
- Reservoirs
- Filter materials
- Fleece shears
- ...

