

Construction  
and repair

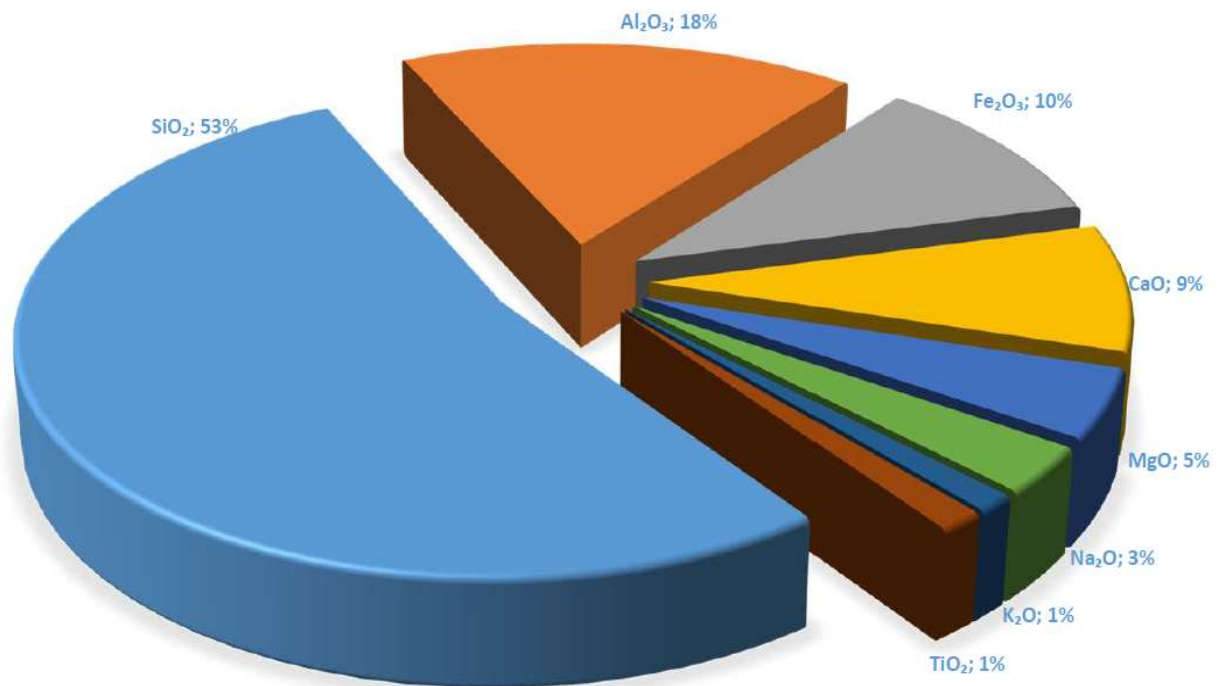
Agriculture

Textile  
products

Maritime  
applications

Industry

## Chemical composition of basalt fibers



|     |                                |                |
|-----|--------------------------------|----------------|
| 53% | SiO <sub>2</sub>               | Siliziumoxide  |
| 18% | Al <sub>2</sub> O <sub>3</sub> | Aluminiumoxide |
| 10% | Fe <sub>2</sub> O <sub>3</sub> | Eisenoxide     |
| 9%  | CaO                            | Calciumoxide   |
| 5%  | MgO                            | Magnesiumoxide |
| 3%  | Na <sub>2</sub> O              | Sodiumoxide    |
| 1%  | K <sub>2</sub> O               | Potassiumoxide |
| 1%  | TiO <sub>2</sub>               | Titaniumoxide  |