

# FRIALIT<sup>®</sup>-DEGUSSIT<sup>®</sup> Oxide Ceramics

Thermocouple protection sleeves and capillary tubes

## Application:

Measurement under extreme conditions

## Material:

Aluminium Oxide (Al<sub>2</sub>O<sub>3</sub>) **DEGUSSIT AL23**



FRIATEC works photo

Precise and reliable measurement technology requires highly reliable thermocouple protection sleeves, especially in the case of harsh ambient conditions. Due to their high material quality, protection sleeves made of DEGUSSIT Ceramics can also be used at temperatures even exceeding 1800°C.

Excellent workmanship on the closed tube tip provides an even, dense structure thus avoiding cracks and a product contamination by spallings. At the same time, greater resistance to the corrosive stresses prevailing in the tank or melt load is achieved.

A SiO<sub>2</sub> proportion of only 0.01% ensures a consistently high degree of measuring accuracy as well as a long lifetime of the precious metal thermocouples.

## Fields of application:

- Glass industry
- Semiconductor industry
- Chemical and process industries
- Thermal treatment facilities
- Metallurgy

- High stability of shape
- Excellent temperature resistance
- Good corrosion resistance

## Competence plus responsibility

Our clients rightly expect first class service with sustainable value.

FRIATEC Aktiengesellschaft  
Ceramics Division  
Steinzeugstraße 50  
68229 Mannheim, Germany  
Phone: +49 621 486-1378  
info-frialit@friatec.de  
www.friatec.de



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