

## Specification Sheet

Edition n°: 2

### TR 213 GLAZE

Edition date: 1999

**Type of Product:** TRANSPARENT LOW EXPANSION  
**Main Uses:** COMPOSITION OF GLAZES, EXPANSION CORRECTION

### Technical Characteristics

#### Theoretical Chemical Composition

Ceramic glaze bonded as a silicate, with the following oxides in composition:

High Level (above 8%): SiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub>-B<sub>2</sub>O<sub>3</sub>  
Medium Level (between 2 and 8%): CaO-BaO  
Low Level (below 2%): Na<sub>2</sub>O-K<sub>2</sub>O-ZnO

#### Physical Characteristics

Aggregation: powder  
Fineness: 0.5-2.0 % on 325#  
Specific Gravity: 2.4 g/cm<sup>3</sup>  
Slip Density: — ("g/l") (Only for slip glazes)  
Slip Viscosity: (Only for slip glazes)

#### Thermal Characteristics

Cubic Thermal Expansion (20 - 400 C): 122 \* 10 E-7/C  
Expansion percentage at 573 C: 0.23 %  
Transformation Temperature: 650 C  
Softening Temperature: 740 C  
Firing Temperature: — C

#### Toxicological Information

Only for professional use. Avoid exposition. Safety data sheet made by request.

**Toxicity:** Barium sol. in HCl < 1%  
**Labelling:** No hazard labelling required, —

Conform

All informations contained in this specification sheet are guide lines and are meant to enlighten the user about some characteristics and application possibilities of our products. It is for the user to adapt this information to his specific conditions and to the characteristics of other products to which our own products may be associated.

Anxious always to improve the quality of our products, and the fiability of these data we reserve the right to alter the specifications thereof without previous notice. Specification of products with earliest date or higher edition number replaces the old ones.