

Comments on the product information

All values were determined according to the respective installation method. The values refer to the bulk density stated. As SiC- and C-containing products are concerned, the physical data were determined after firing in reducing atmosphere.

Mixing liquid: In case of water only drinking water shall be used. The consistency of the product can be adjusted within the given range of mixing water.

Nature of bond: Assignment according to ISO 1927-1. Possible bonding systems: Ceramic bond, hydraulic bond, chemical bond (inorganic or organic-inorganic) or organic bond. If several bonding systems are used conjointly, the most characteristic bond is chosen.

Permanent linear change: Determined following ISO 1927-6.

Chemical analysis: Determined following ISO 1927-3.

Maximum recommended service temperature: This figure is valid for temperature exposure on one face of the lining and for neutral atmosphere. (Reducing atmosphere for products with a high SiC- or C-content.) Temperature exposure on more than one face, mechanical stress and / or contact with a corrosive medium can decrease the maximum service temperature.

Cold modulus of rupture – cold crushing strength: Determined following ISO 1927-6.

Storage life: Begins with the production date. The stated figure is valid for storage under cool, dry and frost-free conditions. For more details about correct storage of our products see the respective installation instructions.

Material required: The figure is valid for the material as delivered. In case of REFRAJET®, REFRA SPECIAL® and REFRAJETCRETE® products a rebound loss for standard conditions is included. Gunning of thin layers or overhead gunning however can increase the material requirement.

Maximum grain size: Determined following ISO 1927-3.

Apparent porosity: Determined following ISO 1927-6.

Bulk density: Determined following ISO 1927-6.

Installation method: In some cases, Refratechnik products can be installed by different installation methods. For every installation method, a separate data sheet is available. The values on this data sheet only refer to the respective installation method.

Main raw material: The main raw material used and/or raw materials contributing specific properties.

Thermal conductivity: These figures are used for heat-transfer-calculation. The figures are based on measurements, taking into account experience made in practise.

Erosion loss: Determined following EN ISO 16282:2008