

SILKON 150R

Insulating Refractory Mastic



Characteristic

SILKON 150R is a durable insulating refractory mastic designed for joining, bedding, sealing and patching precast refractory shapes used in molten aluminium handling systems. The material has a workable consistency that allows application by troweling or manual forming. After drying, it forms a strong, erosion-resistant and thermally insulating layer. SILKON 150R is suitable for use in casting launders, refractory assemblies and other components exposed to molten aluminium.

Chemical composition

- Al_2O_3 : approx. 62 %
- SiO_2 : approx. 35 %

Physical properties

- Wet density - approx. 1.5 g/cm^3
- Maximum service temperature - $1100 \text{ }^\circ\text{C}$

Packaging and preparation

SILKON 150R is supplied as a two-component system consisting of:

- Liquid component
- Dry refractory compound

Before application, the two components must be thoroughly mixed for approximately 3 minutes until a homogeneous mastic consistency is achieved.

The prepared material should be used shortly after mixing to ensure optimal workability and bonding properties.

Advantages

- ✓ Non-wetting to molten aluminium
- ✓ Excellent workability - easy spreading and smooth finishing

Advantages

- ✓ Good insulating properties
- ✓ High durability and erosion resistance