

Binder 2D-K**Technical Data Sheet**

2D-K is designed for the production of monolithic linings and shaped refractory products operating in direct contact with liquid metal and liquid slag.

It can be used for the production of shaped and monolithic refractory products of various types, including periclase and periclase-carbon products.

This binder is highly resistant to aggressive media at operating temperatures up to 2200°C and can also be used as a high-temperature protective coating in smelting plants.

The binder is made on the basis of a dispersion of low-layer graphene in dispersions of organosilicon liquids.

The binder does not contain phenol-containing components and coal tars.

When working with a binder and during its operation, no environmentally harmful compounds are formed.

Product information:

2D – K is graphene-containing binder

Color glossy	black
Density g/cm ³ at 200°C	1.25 – 1.30
C content per calcined substance, %	≥ 98
pH at 200°C	7.2 – 7.8
Viscosity cP at 200°C	≤ 1200
Specific surface m ² /g	110 - 150
Storage temperature:	from -5 to 35°C
Shelf life:	12 months