



# Case Study—Graphite Bonded Dry Film Coatings

## Application

IKV Lubricants has been a leader in the field of high performance lubricants for many years & has met the increasing demands for tribological products that meet the requirements of the industries OEM's.

Our customer required a graphite bonded dry film coating for the protection and finishing of surfaces on carbon blocks. These are used as insulation materials for high temperature industrial processes. The coating offers protection and regulation for very high temperature furnaces for 1000 to 3000°C.

These are used in CVD furnaces, crystal growing industry projects, optical fiber manufacture and turbine blade casing.



## Application Requirement

- Good compatibility with substrates
- Excellent friction reduction
- Elimination of stick-slip
- Even distribution of material
- Good price : performance ratio

## ABOUT IKV TRIBOLINE WGI 1869 G

**IKV TRIBOLINE WGI 1869 G** is a water based dispersion of a very pure graphite similar to a graphite based paint. After evaporation of the water carrier, the product forms a dry film which ensures its function of reduction of friction coefficient, of elimination of the phenomena of joining, of stick-slip, noise and finally of masking product when the lubricated support presents asperities of surface.

**IKV TRIBOLINE WGI 1869 G** exhibits good compatibility with most of the substrates, elastomers, seals, plastics and metals commonly used.

**IKV TRIBOLINE WGI 1869 G** is intended for the lubrication of all types of supports when the deposit of an even dry film is required.

This product may also be used as a separating agent to facilitate the handling of the parts.

**IKV TRIBOLINE WGI 1869 G** can be used as supplied or diluted with demineralised water. Its gelled form allows application with paint brush without dripping.

