

INDUSTRY
SOLUTIONS

mining
Solutions



KOLLASOL STG

INNOVATIVE WETTING AGENT
FOR MINING PROCESSES



MEETING THE CHALLENGES OF MODERN MINING

The processing of highly valuable mineral resources is marked by an increasing demand of a growing number of future-oriented industries, like electronics, automotive or solar components. Besides this economical crisis around the world are impacting on the gold prices.

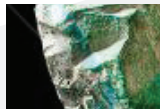
Further more ecological requirements and process optimisation in terms of consumption of resources, water and energy are constantly increasing.

With its comprehensive know-how of "Smart Chemistry with Character" the proglo Group aims at contributing innovative solutions as well as technologies for cost-effective processes and ultimately a competitive extraction of those precious metals like gold, platinum and copper.

EFFICIENT MINING PROCESSES WITH KOLLASOL STG

We developed with Kollasol STG a non-foaming wetting agent, that perfectly meets these requirements. Besides an increasing yielding, Kollasol STG allows the reduction of toxic and harmful chemicals like cyanides. It creates added value in two ways: as part of heap leaching and flotation processes.

OPTIMISE YOUR FLOTATION AND HEAP LEACHING



INCREASES DISSOLUTION RATES
OF VARIOUS METALS



EXTREMELY WELL SUITABLE FOR
THE EXTRACTION OF GOLD, COPPER
AND PLATINUM



OPTIMISED REDUCING THE SURFACE
TENSION OF LEACHING LIQUORS



IMPROVES THE WETTING OF
ORES

ADVANCE OF FLOTATION PROCESSES

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ACCELERATION OF LEACHING PROCESSES

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- ▶ Reduction of process time
- ▶ Reduction of NaCN
- ▶ quaspis evenitator rateperum quatur aliquiam dempore omnim volor Increase of yield
- ▶ Cost reduction
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CONTACT US

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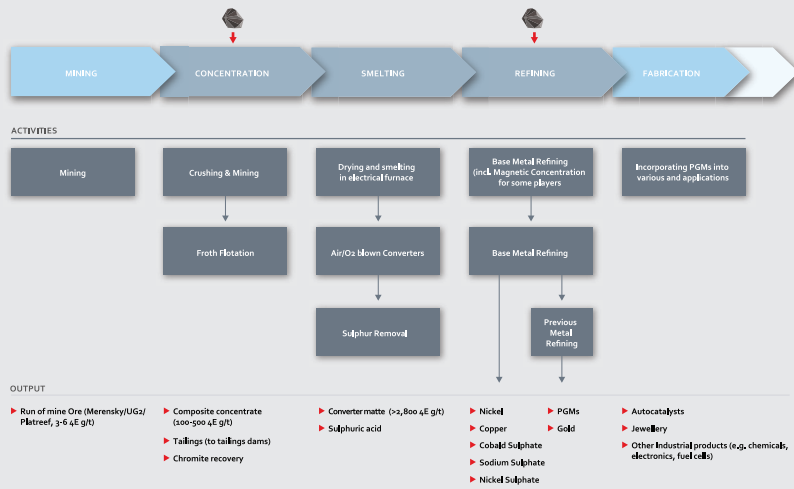
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Email: proglo@proglo.net or sales@proglo.net

PROGLO

FIRE ASSAY & SMELTHOUSE EQUIPMENT AND CONSUMABLES

POWERFUL LINK IN THE PGM'S VALUE CHAIN



= Application of Kollasol STG

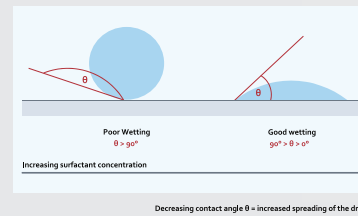
- PROPERTIES**
- ▶ Distinctive surface activity
 - ▶ Excellent wetting of ores and minerals
 - ▶ Soluble in water
 - ▶ Stable at a pH range of 2 – 12
 - ▶ Increasing dissolution rates of various metals

- BENEFITS**
- ▶ Reduces the surface tension below 35 dyn/cm
 - ▶ Increases hydrophilicity of the particles surface
 - ▶ Increases contact of extraction liquors with theor
 - ▶ Creates a stable solution at pH above 10,5
 - ▶ No foam formation during or after the process
 - ▶ No interference with the following processes

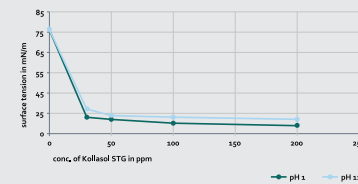
FREE OF FOAM EVEN AT ACID PH VALUES

NON-FOAMING PERFORMANCE

WETTING OF SOLID SURFACES



REDUCED SURFACE TENSION



Kollasol STG in ppm	pH 1	pH 11
0	75	76
30	33	37
50	32	34
100	30	33
200	29	32

surface tension in mN/m

www.proglopgc.com

