

Genrock Surface Blasting



We Specialize in: Basting

- Sensitive areas such as in and between Buildings, underneath power lines, populated areas and next to highways.
- Proximity to structures where shockwave and vibrations can damage adjacent pipelines, house foundations and swimming pools.
- Underwater rock breaking and demolition.
- Environmentally sensitive areas where blast damage and or noise threatens the integrity of the natural environment.
- Underground or fully enclosed blasting where noxious gasses are constraining issues.

WHAT IS *NONEX*TM?

- The NonexTM technology is based on a non-detonating chemical compound, enclosed in a cartridge that reacts very quickly when it is triggered, producing an elevated volume of non-noxious gas, primarily composed of nitrogen and carbon dioxide
- The NONEXTM cartridges break rock and cement with a reduced launch of material and with minimal vibrations and noise



UNDERGROUND MINING :



Underground blasting (before)



Underground blasting (after)

Potentially, the application of non-explosive Nonex cartridges underground is excellent.

- ❖ Pillar mining produces oversize for secondary breaking
- ❖ Chrome and coal fines are wasteful. Nonex breaks on tensile, not on compression – produces ‘lumpy’ chrome and coal
- ❖ Mining in seismic conditions, such as extracting the gold from a Gold Mining Pillar
- ❖ Slipping of sidewalls
- ❖ Using a 50:50 mix of nitrocellulose and ammonium nitrate the toxicity is much reduced (co > .co2)
- ❖ Mining precious stones (less damage)
- ❖ Safety greatly enhanced

NONEX™ PRODUCTION OVERVIEW:

NoneX™ break rock and concrete with greater control due to minimal fly rock, low vibration, reduced noise and requires only localized clearance of equipment and personal.



(Before)



(After)

Is NoneX™ an Explosive?

- NoneX™ cartridges have been determined by the United Nations Classification to be a hazard class UN1.4S which is the same classification as used for small arms ammunition.



Will it break all sizes of rock and concrete?

NoneX™ cartridges are available in sizes from 2g to 500g allowing operators the ability to handle all sizes of jobs - from the smallest of rocks to large steel reinforced concrete or bedrock.





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