

STOPE CHARGE

JOHNEX STOPE CHARGE is a free flowing silver/ grey mixture of porous prilled Ammonium Nitrate and Fuel Oil, formulated to be oxygen balanced for use in moderately wet blastholes.



APPLICATION

JOHNEX STOPE CHARGE is suitable for moderately wet stope blasting in development headings and some open pit operations.

FEATURES AND BENEFITS

- STOPE CHARGE can be augured, poured, or loaded with a standard ANFO pressure loader and is ideal for wet stopes, drives and some open pit operations.
- STOPE CHARGE is state of the art technology specially formulated for blasting extremely hard rock.
- STOPE CHARGE can replace costly cartridge products or bulk emulsions in wet hole applications including development faces.
- Cost reductions of 20-30% are achievable when compared to the normal drilling and charging costs that are incurred when obtaining higher explosive energy per m³.
- Loading time halved when compared with time consuming cartridge loading.
- Fragmentation increased due to higher weight strength and higher gas volume.

PHYSICAL PROPERTIES

PROPERTY	STOPE CHARGE
Poured Density (g/cm ³)	0.85
Minimum Blasthole Diameter (mm)	45
Minimum Initiation Primer	Mighty Atom 75g Pentolite Booster
Typical VOD (m/s)	2500-4800
Relative Weight Strength*	115%
Nominal Charge Weight per metre (89mm borehole)	5.3kg/m @ Poured Density
Explosives Class 1.1D UN Number 0082	

*Relative Weight Strength and Relative Bulk Strength are calculated using an in-house Thermodynamic code. This traditional way of calculating energy is directly related to density and does not take into account the distribution of energy.

STANDARD PACKAGING

STOPE CHARGE is available in 20kg bags and 500kg and 1000kg Bulka bags.

STORAGE AND HANDLING

Store in a clean well ventilated & dry magazine licensed for Class 1.1D Explosives.

SHELF LIFE

When stored as per AS2187.1 STOPE CHARGE has a shelf life of 120 days after opening the bag. Once loaded, sleep time is up to 90 days. Factors that influence sleep time include ground conditions and initiation methods.

SAFETY

STOPE CHARGE is relatively insensitive to accidental initiation by shock, friction or mechanical impact under normal conditions of use. Detonation may occur from heavy impact or excessive heating particularly under conditions of confinement. No adverse health effects are expected if the product is handled according to directions. If it comes in contact with any part of the body, wash with large amounts of soapy water.

More detailed information can be found in the product Material Safety Data Sheet.

ADDITIONAL INFORMATION

Do not use with detonating cord. STOPE CHARGE is not recommended for use in dynamic water flow. The pressure loading kettle must be dry before loading. Explosives based on Ammonium Nitrate such as STOPE CHARGE may react with pyritic materials in the ground and create potentially hazardous situations. Downholes must be blown dry before charging.