

Extra-high energy emulsion blends

INNOVEX™ 204 and INNOVEX™ 205 (HEF 204 and 205)

Emulsion blended with ammonium nitrate prill for dry holes



PRODUCT DESCRIPTION

INNOVEX™ 204 and INNOVEX™ 205 are high-energy blended emulsions containing 40% and 50% emulsion blended with ammonium nitrate prill. These products are formulated for surface mining and quarrying in dry hole application. They perform best in holes larger than 152 mm in diameter. INNOVEX™ 204 and INNOVEX™ 205 are transported and stored as bulk product. They are blended and sensitised in our explosives trucks on-site during application. BME is able to formulate any ratio of emulsion to prill to provide the energy and VOD to match your rock and blasting requirement. For more information, consult a BME Product Manager.

Product	Relative weight strength	Relative bulk strength
INNOVEX™ 204	101	152
INNOVEX™ 205	97	146

Calculated at a density of 1.2 g/cm³ and a pressure of 100 mPa. Relative to ANFO at a density of 0.8 g/cm³.

PRODUCT FEATURES

APPLICATION

INNOVEX™ 204 and 205 is suitable for use in surface mining and quarrying.

FEATURES

- Viscosity – 25 000-35 000 cP
- Density when sensitised – 1.15 g/cm³ dependent on hole depth
- VOD – 3000-4800 m/s dependent on hole and rock characteristics
- Critical diameter – 120 mm
- Minimum initiation – 400 g booster

RECOMMENDATIONS

- Sleep life – 21 days in the hole
- First Aid – refer to Material Data Sheet for first aid information
- Safety – all explosives are classified as dangerous goods and can cause damage to property, personal harm or death if not used correctly
- Transportation and storage – all explosives must be transported and stored in accordance with relevant regulations

PACKAGING

- Bulk distribution

PRODUCT RISK PROFILE

- Classified as hazardous substance, dangerous goods with mass explosion hazard
- Stable under normal storage conditions
- Detonation can occur from extreme friction or excessive heating after sensitisation or under confinement
- DO NOT ATTEMPT TO FIGHT AN EXPLOSIVES FIRE

UN CLASSIFICATION (TRANSPORT)

- Class 1.1 D, UN No. 0241, EXPLOSIVE, BLASTING, TYPE E

