

HEAVY ANFO (HEF 204 and HEF 205)

Dry hole emulsion with porous ammonium nitrate prills

Product description

Heavy ANFO blends are a mixture of HEF emulsion with porous Ammonium Nitrate prills, formulated for surface mining and quarrying applications. Heavy ANFO blends are formulated for dry hole applications, ideally for dry-holes larger than 120 mm diameter. This emulsion blend is not packaged but transported and stored as bulk product. BME is able to formulate any ratio of emulsion to porous ammonium nitrate. Consult a BME product specialist.

Product	Relative bulk strength	Relative weight strength
HEF 204	0.93	1.40
HEF 205	0.94	1.52

Calculated at a density of 1.2 g/cm³ and a pressure of 20 mpa. Relative to ANFO at a density of 0.8 g/cm³.

Application

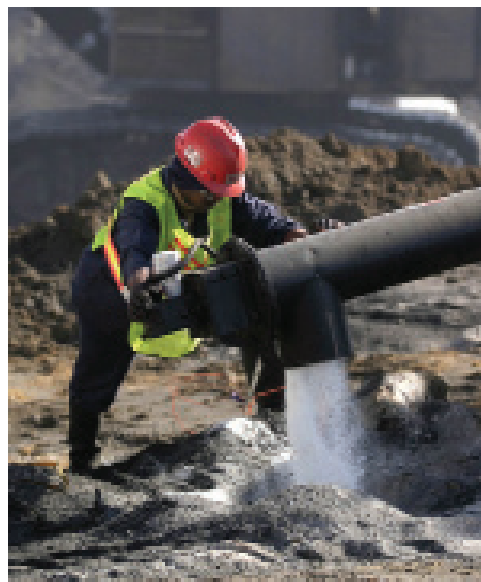
Heavy ANFO is suitable for use in surface mining and quarrying.

Features

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

Recommendations

- **Ground temperature** – recommended for use in temperature up to 60 °C
- **Sleep time** – 21 days in hole
- **First aid** – refer to Material Safety Data Sheet for first aid information
- **Safety** – all explosives are classified as dangerous goods and can cause death, personal harm or damage to property 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 sensitization 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