



AquaMAX[®] 1200

Product description

Downer Blasting Services' (DBS) AquaMAX[®] 1200 Inhibiting explosive products are blends of HEAT[®] 1200 Emulsion, Ammonium Nitrate and Fuel Oil suitable for reactive and non-reactive ground types.

AquaMAX[®] 1200 is pumped into blast holes to displace water.

The benefits of the AquaMAX[®] 1200 products include:

- Excellent inhibiting characteristics suitable for varying levels of ground reactivity
- Excellent water resistance, which enables extended sleep time in wet holes
- Ability to chemically gas to various in-hole densities to meet specific blast requirements as well as ground conditions

Application

AquaMAX[®] 1200 products are high-energy bulk explosives formulated for use in reactive ground applications.

AquaMAX[®] 1200 products are not suitable for hot ground conditions.

- AquaMAX[®] 1200 products can be used in wet blastholes containing static water; ideally these holes should be fired within 14 days of loading
- Blastholes with dynamic water should be loaded and fired as soon as possible, however extra precautions may be required
- When used in reactive ground conditions sleep times will be determined through testing
- Blastholes should only be stemmed after completion of the gassing reaction
- Consult your technical representative for site-specific applications

Specifications (stated at 100MPa)

Properties	ANFO	AquaMAX [®]		
		AM 1260	AM 1270	AM 1280
Product identification		AM 1260	AM 1270	AM 1280
Effective energy ¹ (MJ/kg)	2.3	2.5	2.4	2.4
Relative weight strength ¹ (%)	100	110	106	102
Relative bulk strength ¹ (%)	100	172	165	159
Velocity of detonation (VoD) range ² (km/s)	3.0-4.5	4.2-5.7	4.2-5.8	4.2-5.5
Nominal density range ³ (g/cm ³)	0.7-0.85	0.95 – 1.25	0.95 – 1.25	0.95 – 1.25
Minimum hole diameter (mm)	60	100	100	100
Maximum down hole life in dry conditions ⁴	4 weeks	4 weeks	4 weeks	4 weeks

1. Downer Blasting Services' energy values, relative weight strength and relative bulk strength are calculated by an ideal detonation modeling computer program at the Imperial College London, United Kingdom.
2. Range of VoD measured in –situ in medium hard rock and hole diameters between 102 and 270 mm.
3. A number of factors affect final product density including in-hole conditions, ammonium nitrate density, emulsion density and the amount of gassing etc.
4. In reactive ground applications, the maximum sleep times will be determined by laboratory testing based on the AEISG Code of Practice for "Elevated Temperature and Reactive Ground".

AquaMAX[®] 1200

Classification

UN No.	0241
Shipping name	EXPLOSIVE, BLASTING, TYPE E
Class	1.1D
Safety Data Sheet	AquaMAX

Recommendations for use

Priming Requirements: The preferred primer is a 400g cast booster. It is recommended that an additional cast booster be used every 12 metres of column charge to reduce risks associated with explosive column disruption.

Packaging: AquaMAX[®] 1200 is available in bulk and is delivered through bulk truck delivery systems.

Handling: Information regarding this product is available from the relevant SDS.

Transportation: All explosives are classified as Dangerous Goods and must be transported in accordance with relevant State and Commonwealth regulations.

Storage and Security: All explosives are classified as Dangerous Goods and must be stored and secured in accordance with relevant State and Commonwealth regulations.

Manufacturer

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