

Downer Blasting Services Product Selection Guide

Product	Energy (MJ/kg)	Density (gr/cc) range	Relative Weight Strength (%)	Relative Bulk Strength ¹	Velocity of detonation (VoD) (km/s) range ²	Minimum hole diameter (mm)	Maximum hole depth (m)	Maximum sleep time (days)	Maximum water resistance (days) ³	Gassed	Reactive ground
ANFO											
ANFO	2.30	0.70-0.85	100	100	3.00-4.50	60	80	4 weeks	0	No	No

HEAVY ANFO PRODUCT											
ThrowMax[®]											
TM820	2.50	0.95-1.08	110	149	4.00-4.60	115	80	4 weeks	0	No	No
TM1620	2.70	0.95-1.05	117	154	4.00-4.60	115	80	4 weeks	0	No	No
TM1720	2.70	0.95-1.05	118	155	4.00-4.60	115	80	4 weeks	0	No	No
TM 830	2.60	1.08-1.18	112	165	4.00-4.70	140	80	4 weeks	0	No	No
TM1630	2.80	1.06-1.16	122	178	4.00-4.70	140	80	4 weeks	0	No	No
TM1730	2.90	1.06-1.16	123	179	4.00-4.70	140	80	4 weeks	0	No	No
TM840	2.60	1.18-1.30	114	185	4.00-5.20	152	80	4 weeks	5	No	No
TM1640	2.90	1.17-1.30	124	201	4.00-5.20	152	80	4 weeks	5	No	No
TM1740	2.90	1.17-1.30	125	203	4.00-5.20	152	80	4 weeks	5	No	No

PUMPED PRODUCT											
AquaMAX[®]											
AM870	2.20	0.95-1.25	97	151	4.20-5.80	100	70	4 weeks	14	Yes	No
AM880	2.10	0.95-1.25	92	144	4.20-5.50	100	70	4 weeks	14	Yes	No
AM1670	2.60	1.05-1.25	112	175	4.20-5.60	100	70	4 weeks	14	Yes	No
AM1680	2.50	1.05-1.25	109	170	4.20-5.50	100	70	4 weeks	14	Yes	No
AM1770	2.60	1.05-1.25	114	179	4.20-5.60	75	80	4 weeks	14	Yes	No
AM1780	2.60	1.05-1.25	112	174	4.20-5.50	75	80	4 weeks	14	Yes	No

REACTIVE GROUND PRODUCT											
ThrowMAX[®]											
TM 230	2.50	1.08-1.18	109	160	4.00-4.70	150	80	12 hr #	0	No	Yes
TM1230	2.50	1.08-1.18	110	162	4.00-4.70	140	80	12 hr #	0	No	Yes
TM 240	2.60	1.18-1.30	111	180	4.00-5.20	175	80	12 hr #	0	No	Yes
TM1240	2.70	1.18-1.30	116	188	4.00-5.20	152	80	12 hr #	0	No	Yes
AquaMAX[®]											
AM 270	2.30	0.95-1.25	97	97	4.20-5.80	150	70	12 hr #	#	Yes	Yes
AM1270	2.40	0.95-1.25	106	106	4.20-5.80	100	70	12 hr #	#	Yes	Yes

Effective energy values at 100 Mpa.

¹ Energy defined as heat of reaction values.

² VoD from field measurements.

³ Water resistance will depend on water condition.

- Seek technical advice from Downer Blasting Services as days can be extended depending on actual conditions.