



Bulk SuperAN™ Explosive Booster Sensitive Emulsion and ANFO Explosive Mixture



All BXL delivery units are manufactured in Calgary, AB. by Lynx Manufacturing Ltd., an associate company of Explosives Limited

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| Uses: | <ul style="list-style-type: none"> • Dry or Dewatered boreholes • Surface and open pit mines • Construction Projects • Quarries |
| Features/Benefits: | <ul style="list-style-type: none"> • Labour saving • Different grades to match blast requirements • Emulsion ratio can be varied to adjust for changing conditions within a borehole. • Safe • Reliable • Potential for pattern expansion • Improved muckpile digging |

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| Properties: | SuperAN Grades | | | | | |
| | | ANFO | 1000 | 2000 | 3000 | 4000 |
| | % ANFO / Emulsion | 100 / 0 | 85 / 15 | 75 / 25 | 70 / 30 | 60 / 40 |
| | Average Borehole Density (g/cc) | 0.84 | 1.00 | 1.10 | 1.15 | 1.30 |
| | Velocity of Detonation (m/s) ¹ | 4700 | 5000 | 5000 | 5000 | 5000 |
| | Relative Weight Strength (RWS) ² | 100 | 97 | 95 | 94 | 92 |
| | Relative Bulk Strength (RBS) ² | 100 | 115 | 124 | 129 | 142 |
| | Water Resistance ³ | Nil | Poor | Poor | Fair | Fair-Good |
| Minimum hole Diameter (mm) | 65 | 102 | 127 | 127 | 152 | |
| | <ol style="list-style-type: none"> 1. Approximate Velocity of Detonation in 311mm (12 ¼") diameter boreholes 2. All Orica explosives energy values (Relative Weight Strength and Relative Bulk Strength) are calculated using IDeX™, the computer code developed by Orica for the exclusive use of its companies. Other computer codes may give different values. These values are calculated from laboratory data, they do not take into account the more ideal detonation reaction provided by emulsion explosives relative to ANFO which has been proven by field performance. 3. Dewatered boreholes. | | | | | |
| Delivery: | <ul style="list-style-type: none"> • Auger loaded from bulk mix truck • Typical truck capacities, up to 18 tonnes • Emulsion matrix can be made in either an on-site or regional plant | | | | | |
| Loading: | <ul style="list-style-type: none"> • Higher emulsion blends such as SuperAN 4000 have limited water resistance and can sometimes be used without borehole liners in damp holes. • Orica Canada Inc. technical staff and distributor personnel are available to work with customers to design the optimum load, tailored to mine conditions. | | | | | |
| Priming/Initiation: | <ul style="list-style-type: none"> • Use a bottom primer consisting of a PENTEX D16 cast booster and a XT X-375 Nonelectric Delay Detonator Assembly • A second primer should be used if explosive column length exceeds 10m or if adverse borehole conditions are encountered | | | | | |
| Storage/Handling | <ul style="list-style-type: none"> • Heated and insulated storage tanks are supplied for use in cold weather conditions. | | | | | |
| Transportation: | UN Classification: SuperAN is a Booster Sensitive Explosive, Blasting, Type B, Class and Division 1.5D, UN0331. | | | | | |