



Product Fact Sheet

Apex Super 4000

Packaged, Booster Sensitive Watergel Explosive

Apex Super 4000 is an intermediate diameter, non-detonator sensitive cartridged watergel. **Apex Super 4000** is an all-purpose, cost-effective product designed for use in most blasting applications. It is most effective where a medium strength product is required and is available in diameters from 65 mm to 125 mm. This product has good, all-purpose performance characteristics as well as excellent pressure resistance.

PROPERTIES AND SPECIFICATIONS

Density:	1.25 g/cc
Velocity:	4,500 m/s @ 5° C in 65mm diameter confined, primed with a 150 gram cast booster.
IDeX* Ratings:	Relative Weight Strength (RWS) 112
	Relative Bulk Strength (RBS) 166
Fume Class:	Class 1; acceptable for underground use
Explosives Classification:	Class 1.5D UN 0332
Shelf Life:	Two (2) years from date of manufacture when stored under moderate temperatures and dry conditions in a well ventilated, approved explosives magazine.
Water Resistance:	Excellent
Priming Requirements:	At 5° C and above, use a 150 gram cast booster. Below 5° C a 454 gram booster or equivalent should be used. Detonating cord may adversely affect the performance of Apex Super 4000 and could result in misfires. Consult an Orica representative before attempting to use with detonating cord.
Hydrostatic Pressure Resistance:	Acceptable for use under 24 meters (80 feet) hydrostatic pressure head, or 241 kPa (35 psi).
Temperature Characteristics:	Fresh product is reliable down to -13° C at 65 mm primed with a 454 g cast booster.

CARTRIDGE COUNT (25 kg case weight, except for 125 mm units)

Diameter (mm)	65	75	90	125
Length (mm)	400	400	400	10 kg /unit
Cartridge Count	17±1	12±1	8-9	2

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