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All your blasting needs,
with Platinum service

HydraForce Product Description:

HydraForce is Platinum Blasting Services' augured suite of bulk products ranging from ANFO through to emulsion doped HANFO (Heavy ANFO) blends designed to be suitable for dry or dewatered blast holes. This document applies to Titan 2000 and Hydra Emulsion based products.



HYDRAFORCE PRODUCT SPECIFICATIONS						
Name	X - 10	X - 20	X - 30	X - 40	X - 50	X - 60
Av. in hole Density (g/cc)	0.9	1.0	1.1	1.2	Gassed 1.19	Gassed 1.17
Min. hole dia. (mm)	102	115	140	140	102	102
Max. charge length (m)	75	75	75	75	55	55
Blasthole condition ¹	Dry			Dewatered		
Min. booster size ²	250	250	250	250	250	250
Typical VOD (m/s)	4000 - 5300	4000 - 5700	4100 - 6000	4500 - 6500	4500 - 6700	4300 - 6500
RWS ³	106	108	115	120	117	113
RBS ⁴	119	135	165	188	174	165

¹ Dewatered means less than a recharge rate of 1 metre in 24 hours. ² Recommend using 250g boosters as secondary primers with a 340g as the primary primer. ³ RWS refers to a Relative Weight Strength to ANFO being 2.3MJ/kg @100 MPA. ⁴ RBS refers to a Relative Bulk Strength to ANFO being 2.3MJ/kg @ 100 MPA.

Application:

HydraForce has been designed for use in open cut mining where additional energy is desired or where a level of water resistance is required. Prior to use in dewatered blastholes the water recharge rates should always be determined.

HydraForce is not suitable for use in areas containing reactive sulphides or in blastholes with temperatures in excess of 55 degrees Celsius.

Benefits:

- Suitable for application in dewatered or dry blastholes.
- Density and energy factor can be varied through product selection. Our Technical Service Team will assist in making the correct selection if required.
- Product is delivered via a MPU augur with productivity rates up to 750 kg per minute.

Priming:

Blastholes Diameter	Recommended Minimum Booster Size
Less than / equal to 102mm	150gm
Greater than 102mm	250gm ²

Priming recommendations:

Platinum Blasting Services recommends placing a primer every 15 metres of charge column.

Loading sleep-time:

HydraForce sleep time is influenced by several factors including, blasthole conditions, diameter, depth and method of initiation. A maximum of 21 days is recommended under ideal conditions. If non ideal conditions exist, contact the Platinum Blasting Technical Services Team to determine recommended sleep time for the particular application.

Packaging:

HydraForce is available only as a bulk explosive and is delivered through specialised explosive delivery vehicles.

Safety & Handling:

Please refer to the relevant Safety Data Sheet (SDS) for information regarding the safe handling of this product.

Storage & Transport:

This product is classified as an Explosive and must be stored and transported in accordance with the relevant State/ Territory and Commonwealth regulations.

Dangerous Good Classification:

Product Name: HydraForce
Correct Shipping Name: Explosive, Blasting, Type E
UN Number: 0241
DG Class: 1.1D



Safety:

The HydraForce series of products are reasonably insensitive to accidental initiation by modes of shock, friction or impact under normal use. When under confinement, the product may detonate from excessive heating or excessive impact.

HydraForce is an Ammonium Nitrate based product and may react with sulphides present in the blasting environment.

Manufacturer:

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Disclaimer

Information contained in this data sheet is up-to-date and correct as at the date of issue. As Platinum Blasting Services cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. To the maximum extent permitted by law, Platinum Blasting Services will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given other than those implied mandatory by law.