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All your blasting needs,
with Platinum service

HydraFlow Product Description:

HydraFlow is a sensitized emulsion blend designed to be suitable for pumping into blast holes containing water or augured into dewatered holes. Sensitizing agents are added by the MPU during the manufacturing process. This document applies to Titan 2000 and Hydra Emulsion based products.



HYDRAFLOW PRODUCT SPECIFICATIONS				
Name	X-70	X-80	X-90	X-100
Density (g/cc)	0.95 – 1.28	0.95 – 1.28	0.95 – 1.28	⁶ 1.00 – 1.05
Density Av. In Hole (g/cc)	1.15	1.15	1.15	1.1
Min hole dia.(mm) ⁵	89	89	89	89
Max Charge Length (m)	55	55	55	20
Blasthole Condition ¹	Dewatered when auguring, wet when pumping.			
Min Booster Size (gm) ²	250	250	250	250
Typical VOD (m/s)	4,200 - 6500	4,200 - 6500	4200 - 6500	4200 - 6500
RWS ³	111	108	101	100
RBS ⁴	160	155	145	140

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 2.3 MJ/kg @100 MPA. ⁴ RBS refers to a Relative Bulk Strength to ANFO being 2.3MJ/kg @ 100 MPA.

⁵ Maximum average in hole density of 1.15 for 89mm diameter. ⁶ Recommended open cup density for X100

NOTE: Certain diesel additives may adversely affect the finished product. Please discuss diesel requirements with Platinum Blasting Technical Services before use.

Application:

HydraFlow has been designed for use in open cut mining where wet mining conditions are encountered. The product is also suitable for use in dry or dewatered holes.

HydraFlow is not suitable for use in areas containing reactive sulphides or elevated holed temperature in excess of 55 degrees Celsius.

Benefits:

- Suitable for application in wet, dewatered or dry holes depending on the delivery method.
- Density and energies can be varied through product selection. Our Technical Service team will assist in making the correct selection if required.
- Full coupling of the explosive charge provides superior blasting results.

Priming:

Platinum Blasting recommend priming every 15 metres of column charge.

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

Gassing time:

Allow a minimum of 30 minutes following loading before stemming to allow HydraFlow to fully gas. NOTE: Gassing time may vary according to the emulsion temperature.

Loading sleep-time:

HydraFlow 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:

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



Safety:

The HydraFlow 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.

HydraFlow 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.