

## Product Description

HydraFlow is a sensitised emulsion blend designed to be suitable for pumping into blast holes containing water. Sensitising agents are added by the MPU during the manufacturing and pumping process.



## Application

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

HydraFlow is not suitable for use in areas containing reactive sulphides or in hole temperatures in excess of 55 degrees Celsius.

## Benefits

- Suitable for application in wet, dewatered or dry holes.
- Density and energies can be varied to suit the specific application.
- Full coupling of the explosive charge provides superior blasting results.
- Can be pumped through a range of hose sizes to suit blast hole diameter.

## Priming

Hole Diameter	Recommended Minimum Booster Size
Less than / equal to 102mm	120gm
Greater than 102mm	340gm

## Gassing Time

Please allow a minimum of 30 minutes following loading adding stemming material to allow HydraFlow to fully gas.

## Loaded Sleep-Time

HydraFlow sleep time is influenced by several factors including, hole conditions, diameter, depth and method of initiation. A maximum of 21 days is recommended, this should be reduced in adverse conditions

## Packaging

HydraFlow is available in bulk and delivered through specialised explosive delivery vehicles.

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## Safety & Handling

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

## Technical Product Properties

Name	HydraFlow-X-70	HydraFlow-X-80	HydraFlow-X-90
Density (t/m <sup>3</sup> )	0.95–1.28	0.95-1.28	0.95-1.28
Min Blast Hole Diameter (mm)	102	76	76
Max Charge Length (m)	50	40	40
Hole Condition			
Delivery Method	Hose	Hose	Hose
Min Boosters Size (gm)	340	340	340
Velocity of Detonation (m/s)	4,200-6,500	4,200-6,500	4,200-6,300
Total Energy MJ/kg	2.9-3.1	2.8-3.0	2.7-2.9
Relative Weight Strength	76 - 78	74 - 76	72 - 74
Relative Bulk Strength	108 - 112	104 - 108	98 - 104

- RWS and RBS are relative to ANFO at 100 to 20MPa

## 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



## Manufacturer

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 In case of emergency / specialist advice call 1800 885 411

### 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.

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