

Hydromite^e 100

PRODUCT INFORMATION BROCHURE

Hydromite 100 is a booster sensitive emulsion explosive which is produced on site by sensitizing an emulsion matrix by chemical gassing. Hydromite 100 is pumped directly into the borehole by an approved pump truck or pump unit.

ADVANTAGES

- Excellent water resistance
- Very low amount of toxic fumes
- Very low sensitivity against mechanical and thermal stress
- Very good filling of the boreholes
- Suitable for underground use

PROPERTIES

Properties	Value
Density [g/cm ³]	1.05 – 1.15
Oxygen balance [%] ⁽¹⁾	-0.8
Gas Volume [L/kg] ⁽¹⁾	958
Heat of explosion [kJ/kg] ⁽¹⁾	2,937
Relative weight strength [ANFO=100] ⁽¹⁾	76
Relative bulk strength [ANFO=0.85 g/cm ³] ⁽¹⁾	98
Velocity of detonation [m/s] (confined) ⁽²⁾	4,000

Notes:

⁽¹⁾ Theoretical values based on Austin modeling which assumes ideal detonation. Values calculated with other codes may differ.

⁽²⁾ The velocity of detonation will depend on application, diameter and confinement.



AUSTIN POWDER
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USE

- Lower temperature limit +5 °C
- Upper temperature limit +50 °C
- Minimum booster APB 20 or emulsion explosive (e.g. Emulex 1)
- Minimum borehole diameter 35 mm
- Not for use in hazardous environments where flammable gases or dust may exist
- Maximum static overpressure 3 bar (0.3 MPa)
- Austin accepts no responsibility for any loss or liability arising from use of the product in ground containing pyritic or other reactive material

SHELF LIFE

Maximum 48 hours from production in the borehole

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11/2015

