



PRODUCT INFORMATION

BROCHURE

1.5D

HEET 30



HEET 30 is a mixture of 30 % of Hydrox S/U and 70 % of ANFO which is produced on site. HEET 30 is augured directly into the borehole by an approved mixing truck.

As HEET 30 is not cap sensitive, it can be initiated by a suitable sized cartridge of Emulex 1 or APB.

PRODUCT OVERVIEW

ADVANTAGES

- Very low amount of toxic fumes.
- Develops high gas volume for enhanced muck pile heave.
- Very good filling of the boreholes.
- Very low sensitivity against mechanical and thermal stress.

APPLICATION RECOMMENDATIONS

- Lower temperature limit +5 °C.
- Upper temperature limit +50 °C.
- Minimum booster APB 450 or emulsion explosive (e.g. Emulex 1 or APB).
- Minimum borehole diameter 75 mm.
- Not for use in hazardous environments where flammable gases or dust may exist.
- Not for underground use.
- Austin accepts no responsibility for any loss or liability arising from use of the product in ground containing pyritic or other reactive material.

PROPERTIES

| Properties | Value |
|---|-------|
| Nominal Density [g/cm ³] | 1.20 |
| Oxygen balance [%] ⁽¹⁾ | -0.9 |
| Gas Volume [L/kg] ⁽¹⁾ | 1,040 |
| Heat of explosion [kJ/kg] ⁽¹⁾ | 3,665 |
| RWS [ANFO = 100] ⁽¹⁾ | 100 |
| RBS [ANFO = 0.82 g/cm ³] ^(1,2) | 134 |
| Velocity of detonation [m/s] ⁽³⁾ (confined) | 4,100 |

Notes:

(1) Theoretical values based on Austin modeling which assumes ideal detonation. Values calculated with other codes may differ. For additional information please contact our sales team.

(2) Calculated for a density of 0.98 g/cm³.

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

SHELF LIFE, STORAGE & DISPOSAL

- Maximum 48 hours from production in the borehole.
- Store in accordance with all applicable local and national legal requirements. If in doubt, contact your supplier or the manufacturer.
- Disposal of explosive materials can be hazardous. Methods of safe disposal of explosives may vary depending on the user's situation. Please contact an Austin Powder Technical Representative for information on safe practices.

TRANSPORT – UN CLASSIFICATION

Shipping Name: Explosive, Type E
 Class & Division: 1.5D
 ID Number: UN 0332

Disclaimer of Warranties and Limitations of Liabilities: Products described in this document are sold by Austin Powder without warranty; express, implied or statutory or as to MERCHANTABILITY, except as expressly stated in Austin Powder's straight bill of lading. Under no circumstances shall seller be liable for loss of anticipated profits, consequential damages or incidental damages. For more information and service locations please contact Austin Powder's headquarters:



AUSTIN POWDER

Our Mission is to improve the world we live in through the safe and responsible use of explosives.