



# BEEZAASAN<sup>®</sup>



## THINK POWER THINK US

The Only Leading Explosive  
Manufacturer of Gujarat



**CORPORATE OFFICE :** Opp to LIC Office, Palace Road, Himmatnagar, **Dist :** Sabarkantha (Gujarat) India - 383001

**FACTORY ADDRESS :** Village : Bhanthala - Felsani, **Taluka :** Balasinor, **Dist :** Mahisagar (Gujarat) India - 388255



02772-246001 / 240507 / 248139



info@beezaasan.in / tss@beezaasan.in



[www.beezaasan.in](http://www.beezaasan.in)





# DYNAEX SEISMIC-E

## TECHNICAL DATA SHEET

### DESCRIPTION

Dynaex Seismic E is a detonator sensitive emulsion explosive specifically designed for Seismic+ exploration. It has high strength, high velocity of detonation and excellent water resistance. The explosive density is designed to ensure that the cartridge sinks in water.

### CORE STRENGTHS :

- Provide a reliable, consistent high-energy source for geophysical exploration generating strong signal strengths in varying conditions encountered in geophysical exploration
- Will shoot reliably in any practical depth encountered in geophysical prospecting
- Are extremely water resistant, good for long sleep time.
- Contribute to managing the potential complications associated with misfires and abandoned charges.
- Temperature sustainability:  $\pm 5$  Centigrade

### APPLICATION :

- Dynaex Seismic E provides a compact explosive charge with a high velocity of detonation. These properties help deliver a clean, point source signal into the surrounding rock. Dynaex Seismic E has excellent water resistance even in dynamic water situations.

### RECOMMENDATIONS FOR USE

- **Priming and Initiation**  
Dynaex Seismic E can be reliably initiated by a detonator of No. 8 or greater strength.  
Charging
- Connect tubes of Dynaex Seismic E by screwing them together, before they are inserted into the blast hole.



### TECHNICAL CHARACTERISTICS

Density	1.05 $\pm$ 0.03 g/cc
Hydrostatic Head	40 m
Relative Weight Strength	99 %
Relative Bulk Strength	142 %
Minimum Velocity of Detonation	Excellent
Sensitivity	500 $\pm$ 500 m/s
Detonation velocity (m/s)	5500 $\pm$ 200

\*These Specification Can Be Changed Without Any Notice / Intimation

CARTRIDGE DIAMETER	CARTRIDGE WEIGHT	NO OF CARTRIDGES PER CASE OF 25 KG
50	500	50
50	1000	25
63	500	50
63	1000	25
63	2500	10
76	500	50
76	1000	25
76	2500	10



### Sleep-Time within Blast holes

In dry blast holes Dynaex Seismic-E may be charged and fired up to several months later. A sleeping time of up to 4 weeks is possible in wet shot holes.

### Product Quality

Beezaasan's emulsion explosives are manufactured and loaded using an ISO9001, ISO14001 and ISO45001 accredited quality process. Dynaex Seismic-E emulsion explosive has been developed by Beezaasan specifically for the mining industry using ISO9001, ISO14001 and ISO45001 accredited research and engineering processes.

All regulations pertaining to the handling and use of such explosives apply.

### Storage

Store Dynaex Seismic-E cases in a suitably licensed magazine for class 1.1D explosives. The cases should be stacked in the manner designated on the cases by "This Side up".

Dynaex Seismic-E is best to use within 6 months from the manufacturing date when kept in an appropriate storage conditions.

In the event of uncertainty as to product condition and/or performance contact your local Beezaasan Sale Office.

### Disposal

Disposal of explosive materials can be hazardous. Methods of safe disposal of explosives may vary depending on the user's situation. Please contact an Beezaasan Technical Services Representative for information on safe practices.

### Safety

Dynaex Seismic-E can be initiated by extremes of shock, friction or mechanical impact. As with all explosives, Dynaex Seismic-E should be handled and stored with care. Dynaex Seismic E does not ignite easily and requires a substantial heat source to maintain combustion.

Explosives based on Ammonium Nitrate such as the Dynaex Seismic E may react with pyritic materials in the ground and create potentially hazardous situations. Beezaasan accepts no responsibility for any loss or liability arising from use of the product in ground containing pyritic or other reactive material. More detailed information can be found in the product Material Safety Data Sheet.

### Disclaimer

© Beezaasan Group. All rights reserved. All information contained in this document is provided for informational purposes only and is subject to change without notice. Since the Beezaasan Group cannot anticipate or control the conditions under which this information and its products may be used, each user should review the information in the specific context of the intended application. To the maximum extent permitted by law, the Beezaasan Group specifically disclaims all warranties express or implied in law, including accuracy, non- infringement, and implied warranties of merchantability or fitness for a particular purpose. The Beezaasan Group specifically disclaims, and will not be responsible for, any liability or damages resulting from the use or reliance upon the information in this document.

The word Beezaasan and the Ring device are trademarks of the Beezaasan Group. Brand name Dynaex™ is a trademark of Beezaasan Explotech Pvt. Ltd, applicable only in India.

### Notes:

1. Nominal Density only.
2. REE is the Effective Energy relative to ANFO at a density of 0.8 g/cm<sup>3</sup>. ANFO has an effective energy of 2.30 MJ/kg. Energies quoted are based on ideal detonation calculations with a 100MPa cut off pressure. Non-ideal detonation energies are also available on request. These take account of blast hole diameter, rock type and explosive reaction behavior.
3. VOD depends on application including explosive density, blast hole diameter and degree of confinement. The VOD range is based on measurements in 32 mm diameter cartridges fired in open.

### SHIPPING INFORMATION :

Class/Division 1 /1.D; Type E, UN No : 0241

### PACKAGING :

Packed in sturdy polythene Tube. These Cartridges are packed in corrugated fiber boxes. Net weight of each Explosive packed box is 25 kgs.

### WARNING & DISCLAIMER :

Use of these products by anyone who lacks adequate training experience & supervision may kill or injure. Beezaasan Explotech Pvt Ltd. Shall not be liable for any damage, whatever its nature may be, and including incidental consequential and indirect damage caused to buyers or third parties, directly or indirectly arising from or relating to the supply, use, processing, storage, sale or distribution of the products, arising after delivery unless caused by Beezaasan Explotech Pvt Ltd. wilful misconduct or gross negligence.