Description & Application

Superpower Seismic is a robust packaged emulsion explosive, specifically designed for seismic exploration. It is detonator sensitive, has high strength, high velocity of detonation and excellent water resistance.

The explosives are packed in rigid plastic couplable tubes. The rigid plastic cartridges with positive screw coupling give flexibility of charge size at the shot hole.

Advantages

• Generates consistent and reliable signal strength under varying conditions encountered in Geophysical exploration.
• Shoots reliably upto 30 days at a depth of 60m.
• Excellent water resistance.
• OH&S issues around the handling and storage of nitroglycerine based products are eliminated.

Technical Properties

| Nominal Density (g/cc) | 1.20 ± 0.05 |
| Hydrostatic Head | 60 m |
| Sleeping Time | 4 Weeks |
| Nominal Velocity of Detonation (unconfined) (Km/Sec) | 5 |

*Compared to ANFO@ 0.85 g/cc

Packaging

Superpower Seismic is packaged in plastic tubes with product name & other details. Each Box contains 25kg of product.

<table>
<thead>
<tr>
<th>Cartridge Diameter</th>
<th>Length(mm)</th>
<th>Weight (kg)</th>
<th>No. of Cartridges per box</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>330</td>
<td>0.5</td>
<td>50</td>
</tr>
<tr>
<td>50</td>
<td>580</td>
<td>1.0</td>
<td>25</td>
</tr>
<tr>
<td>63</td>
<td>225</td>
<td>0.5</td>
<td>50</td>
</tr>
<tr>
<td>63</td>
<td>380</td>
<td>1.0</td>
<td>25</td>
</tr>
<tr>
<td>63</td>
<td>655</td>
<td>2.0</td>
<td>12</td>
</tr>
<tr>
<td>63</td>
<td>810</td>
<td>2.5</td>
<td>10</td>
</tr>
<tr>
<td>76</td>
<td>315</td>
<td>1.0</td>
<td>25</td>
</tr>
<tr>
<td>76</td>
<td>450</td>
<td>2.0</td>
<td>12</td>
</tr>
<tr>
<td>76</td>
<td>625</td>
<td>2.5</td>
<td>10</td>
</tr>
</tbody>
</table>

Other diameter / grams combinations can be offered on request.

Recommendations for Use

Priming and Initiation

The preferred initiation system for Superpower Seismic is a No. 8 or any higher strength Seismic Detonator. A detonator shield must be used with every primed cartridge to ensure firing. Care must be taken to ensure that the detonator is placed at the bottom of the detonator well, which is at the top of the cartridge. The detonator must be fully inserted into the cartridge and its wire half hitched twice around the column of this larger cartridge.

Charging

Connect tubes of Superpower Seismic by screwing them together, before they are inserted into the blast holes.
Sleep Time within Blastholes

The undamaged product may be charged and fired several months later in dry holes (provided the product remains within its recommended shelf life).

A sleeping time up to 4 weeks is possible in wet holes.

Safety

- Avoid extremes of shock, heat, friction or mechanical impact to prevent pre-mature initiation.
- Superpower Seismic should be handled and stored with care.

Storage

Superpower Seismic has a storage life up to 12 months in an approved magazine, even in hot and humid conditions.

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

Shipping Information:

- Authorised Name of Explosive: SUPERPOWER SEISMIC
- Proper Shipping Name: EXPLOSIVE, BLASTING, TYPE E
- Class / Div.: 1.1D
- UN No.: 0241

Disposal

The disposal of explosives material is dangerous and require specialist training. Methods used for safe disposal may vary from case to case and will depend upon conditions under which the operations take place. Please follow local regulations for the same and for any further information please contact Solar representative in your area.

Disclaimer

Use of these products by anyone who lacks adequate training, experience & supervision may kill or injure. It is expressly understood that any technical advice furnished by SII Limited with reference to the use of its Products is given gratis & SII Limited assumes no obligation or liability for the advice given or results obtained, & all such advice being given is accepted at Customer’s risk.

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*Images are just for reference and can be changed without any intimations.