

EXEM Packaged Explosives

EXEM emulsion cartridges manufactured by EPC Groupe in Europe are water in oil emulsions, that is, oxidiser salts dispersed as microscopically fine droplets, surrounded by a continuous fuel phase.

The emulsion is stabilised against liquid separation by an emulsifier (or surfactant). A density modifying agent is added to provide sensitivity. Using the group's advanced Emulsion technology Exem

is suitable for a wide range of applications across surface mining and quarrying operations.

The product provides the optimum combination of safety, efficiency, reliability and consistency and is available in a range of cartridge sizes.

Key Features;

- High water resistance
- High Velocity of Detonation
- Good oxygen balance with low post blast fumes
- Good handling characteristics
- Available in two compositions (Exem 55 & Exem 100)

EPC-UK recommends the use of a booster for safe and efficient priming when firing these compositions.

Other cartridge diameters are available upon request.



Product and Company Identification

| | |
|----------------------------|--|
| Product Identifier | Cartridged Emulsion Explosives: Exem 55, Exem 100. |
| Use of the Product | Explosive mainly used in quarries, mines and public construction work. |
| Manufacturer / Supplier | EPC-UK EXPLOSIVES |
| Address | ROUGH CLOSE WORKS CARNFIELD HILL SOUTH NORMANTON ALFRETON DERBYSHIRE, DE55 2BE |
| Telephone Number | 01773 832253 |
| Contact e-mail | info@epc-groupe.co.uk |
| Emergency Telephone Number | 01773 832253 |

Exem 55 Product Specification

| Product Type | Packaged Emulsion |
|------------------------------|-----------------------------|
| Product Name | Exem 55 Emulsion |
| Weight Strength (% ANFO) | 95 |
| Bulk Strength (% ANFO) | 144 |
| Density (g/ml) | 1.21 |
| VOD (m/s) | 5500 |
| Gas Volume (l/kg) | 895 |
| Water Resistance | Excellent |
| Fume Characteristics | Excellent |
| Detonator Sensitive | Yes* |
| Temperature Range (use) °C | - 10/60 |
| Shelf Life | 1 year |
| UN Number | UN0241 |
| UN Description | Explosive, Blasting, Type E |
| UN Class/Compatibility Group | 1.1D |
| CE Mark | 0080.EXP.10.0020 |

* For safe and efficient priming a 410g booster is recommended



Exem 100 Product Specification

| Product Type | Packaged Emulsion |
|------------------------------|-----------------------------|
| Product Name | Exem 100 Emulsion |
| Weight Strength (% ANFO) | 121 |
| Bulk Strength (% ANFO) | 192 |
| Density (g/ml) | 1.27 |
| VOD (m/s) | 5500 |
| Gas Volume (l/kg) | 790 |
| Water Resistance | Excellent |
| Fume Characteristics | Excellent |
| Detonator Sensitive | Yes* |
| Temperature Range (use) °C | - 10/60 |
| Shelf Life | 1 year |
| UN Number | UN0241 |
| UN Description | Explosive, Blasting, Type E |
| UN Class/Compatibility Group | 1.1D |
| CE Mark | 0080.EXP.10.0018 |

* For safe and efficient priming a 410g booster is recommended



Exem 55 Packaging Details

| Product Packaging | Plastic laminate | | |
|-------------------------|------------------|------|------|
| Cartridge Diameter (mm) | 80 | 90 | 100 |
| Cartridge Length (mm) | 485 | 460 | 480 |
| Cartridge Weight (kg) | 2.78 | 3.12 | 4.16 |
| Cartridges/box | 9 | 8 | 6 |

Exem 100 Packaging Details

| Product Packaging | Plastic laminate | | |
|-------------------------|------------------|------|------|
| Cartridge Diameter (mm) | 80 | 90 | 100 |
| Cartridge Length (mm) | 470 | 450 | 470 |
| Cartridge Weight (kg) | 2.78 | 3.12 | 4.16 |
| Cartridges/box | 9 | 8 | 6 |

Packaged Explosives

TERMS AND CONDITIONS: "The products and services that we supply to you are sold subject to our standard Terms and Conditions of Supply and any other Special Conditions that we notify to you. Copies of these conditions are available on request."

The information contained in this leaflet is given without warranty and cannot cover all conditions of use. Users should undertake their own tests to ensure the suitability of the products for their own particular application.

