



NITROCORD

PENTRITE DETONATING CORD

Application:

Nitrocord - detonating pentrite cords can be used in blast works in non-coal mines and quarrying operations, for demolition and engineering works. The cords can be loaded into dry and wet blasting holes.

Nitrocord 8 - methane pentrite detonating cord can be used for blasting operations in mines, in potentially explosive atmospheres of coal dust and/or methane. The cord can be loaded into dry and wet holes.

Properties:

Types of detonating cords

| Parameters | NITROCORD 8 | NITROCORD 6-N | NITROCORD 10 | NITROCORD 12 | NITROCORD 20 | NITROCORD 25 | NITROCORD 40 | NITROCORD 80 | NITROCORD 100 |
|-----------------------------------|---|------------------------------------|--------------|-------------------------------------|--------------|--------------|--------------|--------------|---------------|
| Nominal diameter [mm] | 4,8 ± 0,2 | 4,0 ± 0,2 | 5,2 ± 0,2 | 5,4 ± 0,2 | 7,0 ± 0,3 | 7,2 ± 0,3 | 8,5 ± 0,4 | 11,5 ± 0,5 | 12,0 ± 0,6 |
| Nominal length on a spool [m] | 50 ± 0,5 | 250 ± 2,5 100 ± 2,0 50 ± 0,5 | | 250 ± 2,5 200 ± 2,0 100 ± 1,0 | 150 ± 1,5 | | 100 ± 1,0 | 50 ± 0,5 | |
| Nominal pentrite weight in 1m [g] | 8 +0,6/-0,2 | 6 +0,6/-0,2 | 10 ± 1,0 | 12 ± 1,0 | 20 ± 1,5 | 25 ± 1,5 | 40 ± 3,0 | 80 ± 4,0 | 100 ± 5,0 |
| Detonation speed [m/s] | 6900 ± 5% | | | | | | | | |
| Sensitivity to priming | cap or fuse containing at least 0.6 g of pentrite | | | | | | | | |
| Identification threads | red, 2 pcs. | | | | | | | | |
| Sheath colour | white | red | | | | | | | |

Packaging:

Primary packaging: felt and cardboard spool.

Secondary packaging: cardboard box containing 1 to 6 spools with cord.

Conditions for storage and use:

| | NITROCORD 8 | NITROCORD 6-N | NITROCORD 10 | | | |
|------------------------|---------------------|---------------------|--------------|--------------|--------------|---------------|
| Conditions for storage | from 0°C to 45°C | | | | | |
| Conditions for use | from -20°C to +60°C | from -20°C to +50°C | | | | |
| Warranty period | 24 months | | | | | |
| | NITROCORD 12 | NITROCORD 20 | NITROCORD 25 | NITROCORD 40 | NITROCORD 80 | NITROCORD 100 |
| Conditions for storage | from -20°C to +50°C | | | | | |
| Conditions for use | from -20°C to +50°C | | | | | |
| Warranty period | 24 months | | | | | |

Approvals and classification:

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| CE certificate: | GIG WE No 1453.EXP.04.0001 (NITROCORD 8), GIG WE No 1453.EXP.05.0077 (NITROCORD 6-N), BAM EG No 0589.EXP.2643/01 (NITROCORD 10), BAM EG No 0589.EXP.3585/99 (NITROCORD 12), BAM EG No 0589.EXP.3584/99 (NITROCORD 20), BAM EG No 0589.EXP.1293/02 (NITROCORD 25), BAM EG No 0589.EXP.3560/99 (NITROCORD 40), BAM EG No 0589.EXP.0599/99 (NITROCORD 80), BAM EG No 0589.EXP.0600/99 (NITROCORD 100) |
| Classification certificate: | No 027/IPO-BW/2011 (NITROCORD 8), No 07/IPI-BW/2011 (NITROCORD 6-N, NITROCORD 1C, NITROCORD 12, NITROCORD 20, NITROCORD 25, NITROCORD 40, NITROCORD 80, NITROCORD 100) |
| Proper shipping name: | Detonating cord |
| UN number: | 0065 |
| Class: | 1 |
| Qualification code: | 1.1 D |