



SIBIRIT-PD™ is a hard-shell detonator-sensitive emulsion primer with excellent explosive properties.

DISTINGUISHING PROPERTIES

SIBIRIT-PD™ consists of a plastic body (a cup with a lid) filled with emulsion explosive. There is a special hole in the lid for initiating systems installation, and on the side surface of the body – a longitudinal notch for wave guide fitting and fixing.

APPLICATION

SIBIRIT-PD™ comes in various diameters: 34-50-60-80mm.

SIBIRIT-PD™ can be initiated by standard high strength electric, non-electric or electronic initiating system.

KEY BENEFITS

Explosive properties of SIBIRIT-PD™ ensure high detonation of the main borehole charge and entail significantly reduced volume of harmful post-blast fumes.

SIBIRIT-PD™ doesn't contain any toxic components.

Sibirit-PD™ is totally water resistant and can be used in boreholes with any water content and sulphide containing rocks and ores.

RECOMMENDATIONS FOR USE

SIBIRIT-PD™ is used as booster for initiating of all types of borehole charges in surface

and underground mining where there are no combustible gas or explosive coal dust.

Application temperature conditions range from -50 - +50 (free air temperature).

TECHNICAL PROPERTIES

Product	SIBIRIT-PD™
Density, kg/m ³	1150 - 1200
Velocity of Detonation, m/s	5200-6000
Heat of explosion, kJ/kg	3300
Oxygen balance, %	-1.2
Gas volume, l/kg	940
CO ₂ , l/kg	12.8
Water resistance	excellent

PACKAGING Typical sizes:

Diameter, mm	34	50	60	80
Nominal Length, mm	124	230	180	180
Nominal Mass, g	100	500	500	1000
Nominal count per case	96	48	48	24
Box content, kg	24	24	24	24

STORAGE AND HANDLING

Product Classification SIBIRIT-PD™
Trade Mark: «NITRO SIBIR» AO,
EUTM 006345466, 006345623

Proper shipping name: Explosive, Blasting
UN No: 0042

Classification: 1.1D

EU-type certificate: XB 001755 001

Store SIBIRIT-PD™ in cases in the manner designated on the packaging.

Maximum storage life – 12 months.

SAFETY



SIBIRIT-PD™ is not suitable for mines with danger of combustible gas or explosive coal dust.