

TECHNICAL DATA SHEET

NewMITE Plus™ I & II



Description

NewMITE Plus™ is Water-in-Oil (W/O) type emulsion explosive sensitized with Glass Micro Balloon (GMB). NewMITE Plus™ has firm consistency which allows for easy handling and loading.

Features & Benefits



NewMITE Plus™ is available in two packaging types, paper cartridge or film depending on the customer's preference and use. In particular, the paper cartridge packed NewMITE Plus™ is easy to load horizontally as it has the same compound phase as dynamite.

NewMITE Plus™ minimizes blasting fumes such as CO and NOx. It also has excellent water-resistance as the cartridge paper or film has specialized oil coating added for the products to be used in wet holes.

NewMITE Plus™ I

NewMITE Plus™ I has excellent water resistance, low-temperature resistance and high safety profile. It can easily be used in both underground and open pit blasting and applicable for soft rocks to hard rocks.

NewMITE Plus™ II

NewMITE Plus™ II contains aluminum powder additive, resulting in enhanced blasting performance. It is used to blast of medium to hard rocks, which requires higher energy than NewMITE Plus™ I

Technical Data

	NewMITE Plus™ I	NewMITE Plus™ II
Velocity of Detonation [VOD] ^[A]	19,000ft/sec 5,800m/sec	18,700ft/sec 5,700m/sec
Density (g/cc)	1.2	1.2
Relative Weight Strength (%) ^[B]	92	111
Relative Bulk Strength (%) ^[B]	134	163
Water Resistance	Excellent	
Minimum Temperature	Down to -4°F Down to -20°C	
Shelf-Life	1 year	

[A]: Confined @ 36mm diameter

[B]: ANFO = 100% @ 0.80g/cc, calculations with 100MPa

Hazard classification

Authorised Name	NewMITE PLUS™
UN No.	0241
Classification	1.1D
Proper Shipping Name	EXPLOSIVE BLASTING, TYPE E

Packaging

	NewMITE Plus™ I / II	
Packaging	Paper Cartridge	
Diameter	1 in(25mm)	1 1/4 in (32mm)
Box size	16 1/2 in x 11 in x 10 1/2 in (420mm x 280mm x 265mm)	18 in x 12 3/4 in x 8 1/4 in (455mm x 325mm x 210mm)
Length	9 3/4 in (250mm)	8 in (200mm)
Weight	4.4oz (125g)	6.0oz (170g)
Quantity	160 each per box	108 each per box
Net Explosive Weight	44.1lb/box (20.0kg/box)	40.5lb/box (18.4kg/box)

	NewMITE Plus™ I / II	
Packaging	Paper Cartridge	
Diameter	1 1/4 in (32mm)	2 in (50mm)
Box size	14 1/4 in x 13 in x 9 3/4 in (360mm x 330mm x 250mm))	17 1/2 in x 10 1/2 in x 7 3/4 in (445mm x 270mm x 195mm)
Length	11 in (295mm)	16 1/2 in (420mm)
Weight	8.8oz (250g)	35.3oz (1,000g)
Quantity	80 each per box	20 each per box
Net Explosive Weight	44.1lb (20.0kg/box)	44.1lb (20.0kg/box)

NewMITE Plus™ I & II

Revised on : April 20th, 2020 (Ver 1.2)
www.hanwhacorp.co.kr/eng/explosives

TECHNICAL DATA SHEET



NewMITE Plus™ I & II

NewMITE Plus™ I / II		
Packaging	Film	
Diameter	2 in (50mm)	2 1/2 in (65mm) Only for NewMITE I
Box size	20in x 9 3/4 in x 7 1/4 in (505mm x 245mm x 185mm)	21in x 13 1/4 in x 5 1/4 in (535mm x 335mm x 135mm)
Length	18 1/2 in (470mm)	20 1/2 in (520mm)
Weight	35.3oz (1,000g)	70.6oz (2,000g)
Quantity (each/box)	20 each per box	10 each per box
Net Explosive Weight	44.1lb (20kg/box)	44.1lb (20kg/box)

* The error range of weight/cartridge in the table above is -3 to +5%

* Film packaged NewMITE Plus I 1 1/4 inch (32mm) 8.8oz (250g) can also be available on customer's request.

Safety

When using NewMITE Plus™ avoid contact with eyes or skin and wash hands thoroughly after handling. Keep NewMITE Plus™ away from sources of heat, sparks, flame or hot surfaces and avoid mixing with combustibles or incompatible materials.

Storage

All explosives are classified as Dangerous Goods and must be stored and secured in accordance with relevant local and national regulations.

Disclaimer

The information in this Technical Data Sheet is correct as of the date issued and are subject to periodic review. Hanwha reserves the right in its sole discretion and without prior written notice to modify the product(s) and/or specifications described herein ("Product"). Hanwha disclaims any warranties with respect to Product, the safety or suitability thereof, or the results to be obtained, whether express or implied, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. Given the variety of factors that can affect the use and application of Product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the Product to determine whether it is fit for a particular purpose and suitable for the user's method of use or application.

The use of Product is an intrinsically dangerous activity and must be restricted to qualified and trained users in possession of any necessary permits and licenses, and comply at all times with appropriate safety and risk prevention measures and with applicable laws.

This document and any accompanying information is not intended to constitute – and shall not be construed as – an offer or contractual commitment on Hanwha's side. For further information about Hanwha Products, please contact your distributor or sales representative directly.

Please contact the following offices for any emergency or enquiry.

Head Office (Korea)

Hanwha Corporation

Hanwha Building 17th floor
86 Cheonggyecheon-ro, Jung-gu
Seoul, Korea 04541

TEL. +82 2 729 1629

FAX. +82 2 729 1850

E-mail commercial@hanwha.com

HMS USA

Hanwha Mining Services USA

420 East South Temple Suite 260, Salt lake City
UTAH 84111, USA

TEL. +1 801 336 1553, 1602

FAX. +1 801 384 0567

E-mail leehw@hanwha.com

HMS INDONESIA

PT. Hanwha Mining Services Indonesia

Talavera Office Park, Suite Area, 21th Floor
JL. TB Simatupang Kav 22 Cilandak
Barat Jakarta Selatan 12430

TEL. +62 21 2782 8378

FAX. +62 21 2782 8643

E-mail hmsindonesia@hanwha.com

HMS AUSTRALIA

Hanwha Mining Services Australia Pty Ltd

Level 9, 132 Arthur Street North Sydney NSW 2060
Australia

TEL. +61 416 770 529

Emergency 1800 054 055

E-mail australia@hanwha.com

NewMITE Plus™ I & II

Revised on : April 20th, 2020 (Ver 1.2)
www.hanwhacorp.co.kr/eng/explosives

TECHNICAL DATA SHEET

NewMITE PlusTM I & II



HMS LATIN AMERICA

Hanwha Mining Services Chile

Alonso de Cordova 5870, Office 707, Las Condes,

Santiago, Chile

TEL. +56 2 2993 7546

E-mail hmschile@hanwha.com

SOUTH AFRICA

Hanwha Corporation Johannesburg

Cedar Office estate Block 1, Unit 1A

Corner Stinkwood Cl & Cedar Rd broad acres

2021, Johannesburg, South Africa

TEL. +27 11 317 7300

FAX. +27 11 465 0499

E-mail yhlee@hanwha.com