



MISTRAL 3

ONE GENERATION AHEAD



Recent conflicts and operations have demonstrated the overarching importance of an efficient and robust force protection capability as a prerequisite for threats deployments. The increasing diversity and complexity of air threat makes this requirement, even more important today for land, sea and air operations.

The MISTRAL 3 is a versatile multi-domain, multi-platform (army, navy and air) combat-proven missile which offers comprehensive protection capability against a wide range of threats, with an over 96% success rate.

MISTRAL 3 is the latest version of a long success story that began in the early 90s, perfectly adapted to today's and future threats.

MISTRAL 3 is a fire-and-forget missile, guaranteeing the same level of outstanding performances. Unlike beam-riding systems, the Mistral terminal accuracy on manoeuvring target is not dependent of the operator's skills and hence doesn't need intensive and permanent training, whatever the gunner and the launcher.

Key characteristics

- Fire-and-forget
- First VSHORAD missile with IR matrix imager
- Immune to all known IR countermeasures
- SSKP > 96% on operations (single shot kill probability)
- Fully passive whatever the launcher
- High manoeuvrability: up to 30g
- Interception range: up to 8,000m
- Interception altitude: up to 6,000m
- High supersonic speed – short interception time
- 3kg warhead
- 20 years' lifetime without maintenance



MBDA

GROUND BASED AIR DEFENCE



Wide target spectrum

Fighter jets

Fast, agile, stealthy



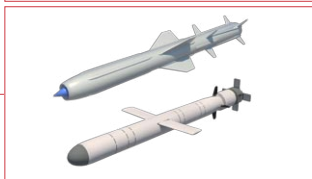
Large aircraft



Cruise missiles

Sea-skimming
anti-ship missiles

Supersonic and subsonic



Helicopters and slow movers

Fast, agile, stealthy



RPAS/UAS/drones

Loitering munitions



FIACs

Small, fast and agile vessels



Technical characteristics

Length: 1.88m (incl. launch motor)
Weight: less than 20kg
Diameter: ~92mm
High supersonic speed: (930m/s)
Short interception time
High manoevrability: up to 30g
Interception range: up to 8,000m
Interception altitude: up to 6,000m
Min. interception range: 500m
Intercept manoevring targets up to 9g
Kill probability over 96%



- Fire-and-forget
- Extremely sensitive cooled Infrared countermeasures
- 3-axis manoevrability for high-accuracy guidance
- Laser proximity and impact fuse
- 3kg warhead
- Two stage solid propellant rocket
- 20 years lifetime without maintenance
- Qualified for use in extreme conditions – -40C° to +71C°

