

# DEFENSE AND PYROTECHNIC



OUR RESEARCH DEPARTMENT DESIGNS AND DEVELOPS  
CONTAINERS FOR MUNITIONS AND FUTURE PACKAGING

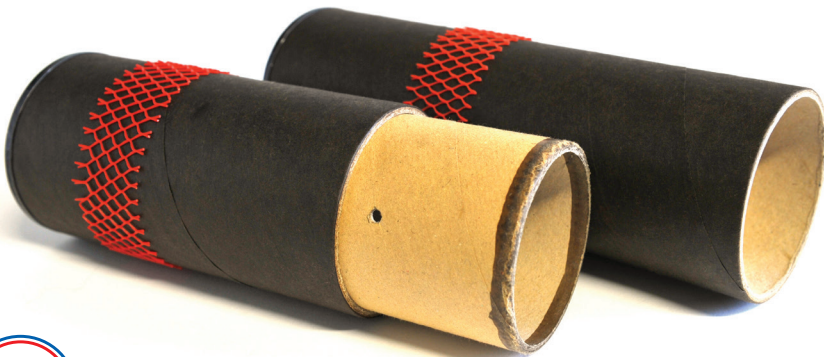
## CARDBOARD STANDARD CONTAINER

FROM CALIBRE 38 MM TO CALIBRE 250 MM.

- The external frame of the tube is coiled on the principal of multilayer composite answering to the needs of these most restrictive specifications (sealing, waterproofing, heatresistance, weatherproofing, corrosionresistance, shock resistance, etc).
- The bottom and the cover are in metal (according to the specifications), corrosionresistant, crimped on the cardboard body, external face imprinted according to the clients wishes.
- Permanent identification engraving of the bottoms and metalics covers for traceability and the factory lot numbers.

## APPLICATIONS

- protection
  - shock absorption
  - impermeability
  - insensitive munition
  - defense
  - waterproof
- Dimensioning of absorbing cushions to answer the specifications (STANAG, MIL, DTAT, etc...)
  - Internals fittings, by assemblies of adjusted cardboard tubes sliding inside each other, potentially integrating cardboard bondings of layered windings, polyethylene, foam or others materials in order to respond to the needs and requirements of the differents drop tests
  - Mortars for fireworks are made with external waterproof coatings and bottoms in hardwood.



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Cardboard contributes to the **protection of the environment** and supports the **sustainable economy**.



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Confidentiality - NATO Standards - Certified



## EXPERTISE IN «SENSITIVE PACKAGING»

### EXPERIENCE IN FIBER CONTAINERS

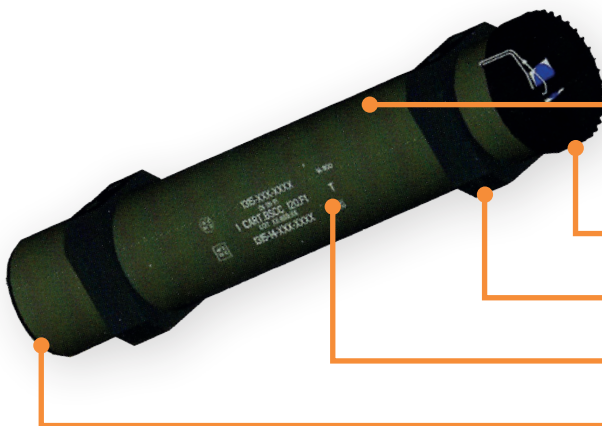
Since 1953 EM2 have designed and manufactured fiber containers for medium and large calibre ammunition conforming to DGAT/NATO/US-MIL standards. For our principal customers in France, Europe and international, EM2 is developing a range of products for 38 to 155 mm rounds: MBT, artillery, rocket, grenade...

- Design
- Project Management
- Manufacture
- Integration

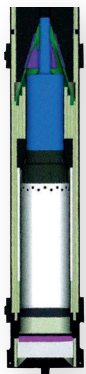
### CERTIFICATIONS

- NATO/ STANAG
- DGA - DTAT C 8140
- US - MIL 2439

### INTEGRATION OF FEATURES



- WATERPROOF TUBE:  
Multi-layer cardboard, bitumen, aluminium, PVC, PE...
- SCREWED PLASTIC CAP WATERPROOF
- STACKING GUIDES
- IDENTIFYING LOT NUMBERS
- CRIMPED METAL END
- SHOCK-ABSORBING FITTINGS



120 mm

- Co-development
- Study
- Prototyping
- Testing
- Qualification
- Integration & Assembly
- Operational Maintenance
- Recycling
- Dismantling,...

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