

ASTERM[®]

THERMAL PROTECTION PRODUCT LINE

- > NORCOAT[®] LIÈGE
- > NORCOAT[®] 4000
- > NORCOAT[®] 4011
- > NORCOAT[®] 5011
- > PROSIAL[®] 2000
- > **ASTERM[®]**
- > NORCOAT[®] FLEX
- > NAXECO[®] PYC
- > NAXECO[®] RESIN

LIGHT WEIGHT ABLATOR ADAPTED TO HIGH SPEED ENTRY

ASTERM®

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ArianeGroup has been developing and manufacturing thermal protection for space applications for over 40 years and is recognized as an European leader. Our range of manufacturing processes allows many designs to protect the structures: bonding, moulding or spraying.

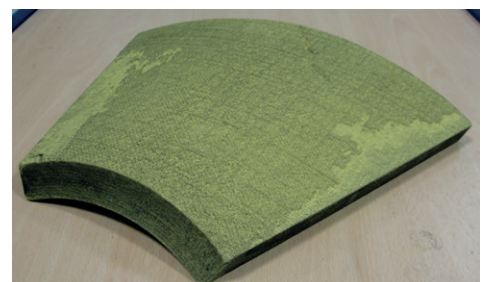
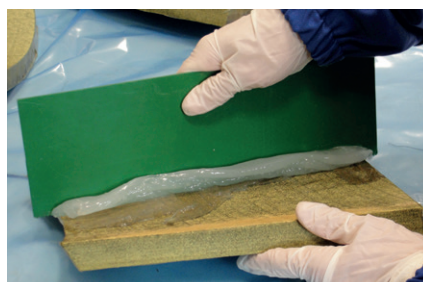
CHARACTERISTICS	
Density	0.2 to 0.6
Thermal conductivity at 25°C	0.4 W·m ⁻¹ ·K ⁻¹
Specific heat at 25°C	0.9 kJ·kg ⁻¹ ·K ⁻¹
Dimensions	Ø 600 x 200 mm
Thickness	25 to 200 mm
Heat flux	16 MW/m ²
Heat load	Up to 300 MJ/m ²

NOTE:

Data in this document is for information purposes only.

Our product:

- **Light weight ablator:**
carbon felt / phenolic resin
- **Standard** European raw materials
- **Adapted to high speed entry**
such as sample return missions
- **Tuning of the material** (substrate, resin mass fraction...): applicable to **various type of missions**
- **S-ASTERM®: standard** material based on a rigid felt
- **C-ASTERM®: conformal** material based on a flexible felt
- **TRL 6**
- **Aerial mass** 5 to 15 kg/m²



CONTACT

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