



NORCOAT® FLEX

THERMAL PROTECTION PRODUCT LINE

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

FABRIC ASSEMBLY - FLAT OR 3D COMPLEX PARTS



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FABRIC ASSEMBLY

FLAT OR 3D COMPLEX PARTS

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	
Mass	2 to 4 kg/m ²
Density	-
Thermal Conductivity at 500°C	0.09 W·m ⁻¹ ·K ⁻¹
Specific heat at 500°C	1.16 kJ·kg ⁻¹ ·K ⁻¹
Elongation	-
Thickness	25 mm
Heat flux	1 MW/m ²

NOTE:
Data in this document is for information purposes only.

Our product:

- **Fabric Assembly** – Flexible thermal protection
- **Flat or 3D** complex part
- **Highly Customizable**
- **Dismountable** and **repairable** last minute integration
- Suited for **moving parts** (actuators, nozzle...)
- Can be **coated** (e.g. air-tightness)
- **Antistatic** option (e.g. metallic layer)
- **Re-usable** up to 1600°C



ADVANTAGES

Excellent heat performances

Material adaptability

- Thin-skin is ideal for confined spaces
- Lightweight materials

Manufacturing process adaptability

- Precisely contours all shapes
- Answer to a complex manufacturing demand

Material stability

- Mechanical stability: materials paired with all support types
- Stability over time: 20-year life cycle for temperatures of between -50°C and 200°C

Fully adapted solutions

- Need analysis
- Material definition and manufacturing
- Technical product support
- Durable supply with adaptation to new standards

CONTACT

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