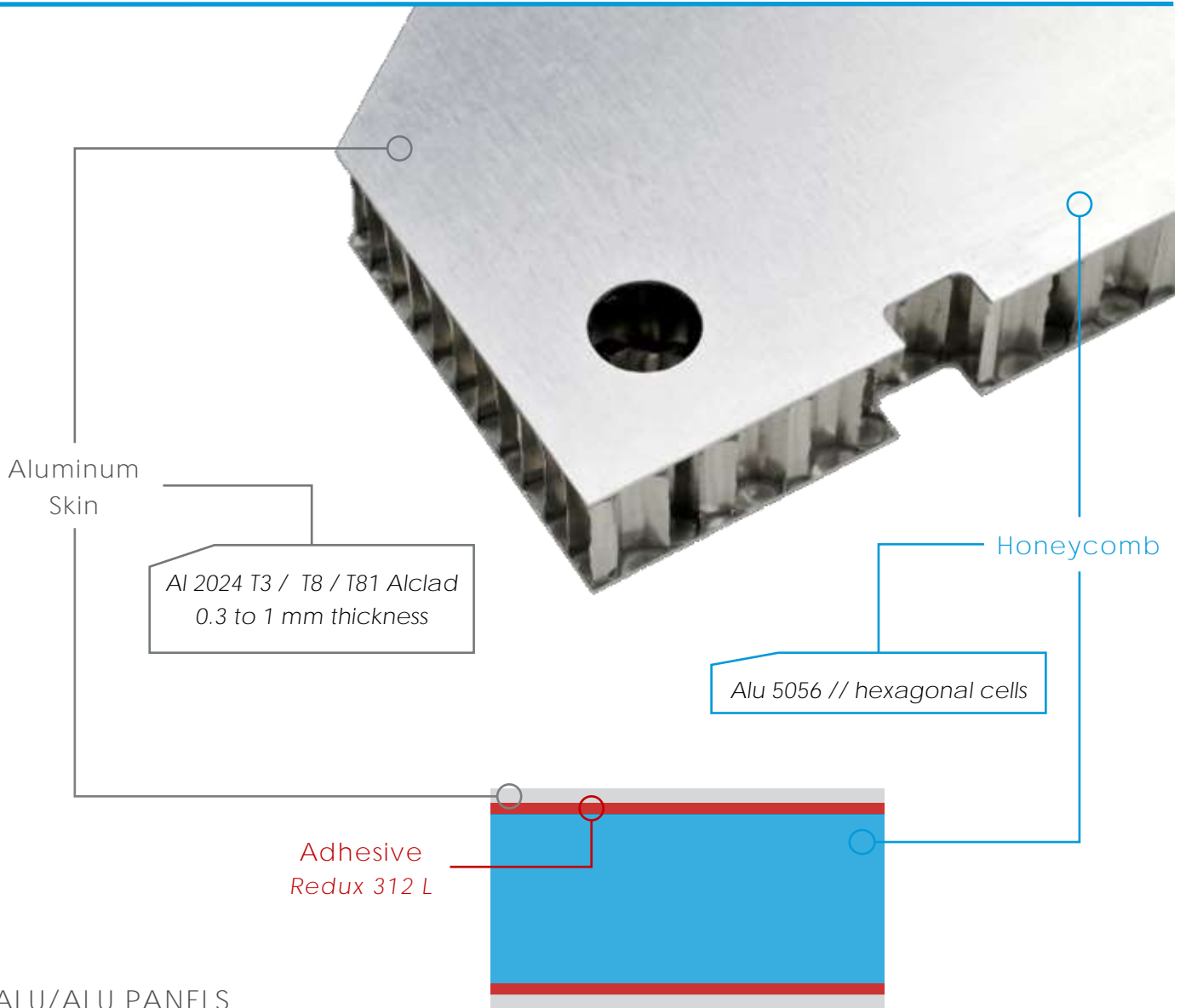


# PANELS ALUMINUM / ALUMINUM



## ALU/ALU PANELS

APCO Technologies has been in charge of the manufacturing of several Alu/Alu S/C structures.

Heritage panel dimensions :

- L x W : 770 x 1100 mm to 4650 x 1815 mm (Biomass)
- Thickness : 10 to 100 mm

### Aluminum Skin Characteristics

Material	Thickness (mm)
Al 2024 T3	0.5
Al 2024 T8	0.4 to 0.5
Al 2024 T81 Alclad	0.3 to 1

### Adhesive Used

Product	Role
Redux 312 L	Adhesive (skin/HC & skin/skin)
Redux 212 NA	Foaming adhesive (HC/HC)

## Honeycomb Characteristics

Material	Cell Size (in)	Sheet Thickness (in)	Density (lbs/ft <sup>3</sup> )
Alu 5056	1/8	0.001 p	4.5 (72 kg/m <sup>3</sup> )
	3/16	0.0015 p	4.4 (70 kg/m <sup>3</sup> )
		0.001 p	3.1 (50 kg/m <sup>3</sup> )
		0.0007 p	2.0 (32 kg/m <sup>3</sup> )

All honeycomb used are compliant with ECSS-E-30-06

## HERITAGE

Sentinel-5 Precursor

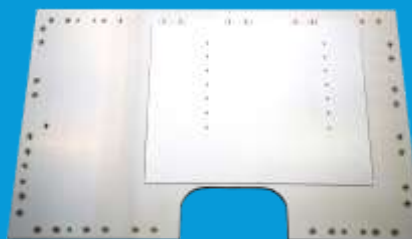


Sentinel-3 SLSTR

ACES



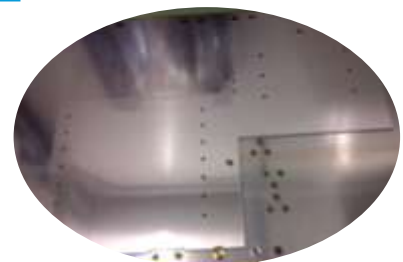
MTG



## FUNCTIONAL APPLICATIONS



Primary & Secondary Structures



Radiators