

# SMACWRAP® RANGE

## HIGH DAMPING LAYER



### BENEFITS

- ▶ High reliability

### FEATURES

- ▶ Fire compliance upon definition of the receiving sandwich complex
- ▶ Pressure Sensitive Adhesive (PSA) available on one or two sides for cured version > 1.0 mm

SMAC designs and manufactures high performance damping & acoustic solutions for lighter and quieter aeronautical, space & industrial application. Our technical team ensures customer requirements are met through our range of Noise, Shock & Vibration control materials & solutions.

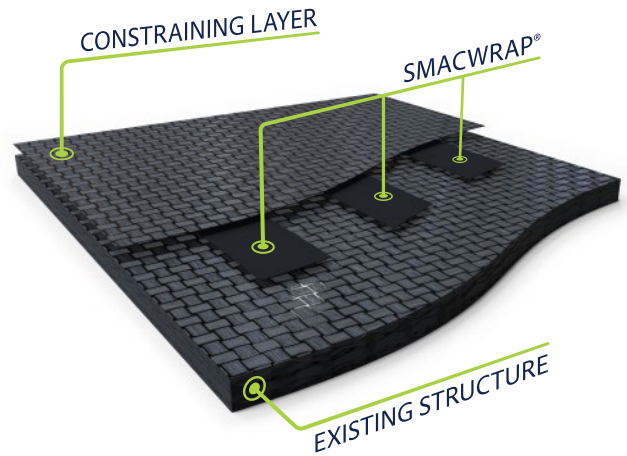
### APPLICATIONS

- ▶ Cured version: damping for composite structures, acoustic purpose following mechanical stresses, impact & splintering protection
- ▶ Uncured version: flexible end of a composite structure, flexible linking between two composite parts.

- ▶ Other widths on request

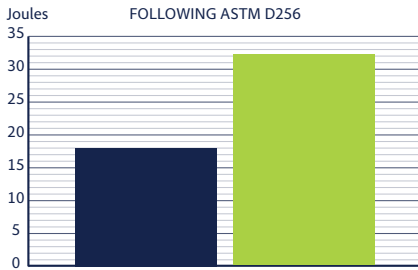
## TYPICAL CONSTRUCTION

The high damping solution SMACWRAP® consists of a lightweight & high damping visco-elastic material with the purpose of being embedded in layer within the receiving structure. It is compatible to curing of prepregs or pre-impregnated composite fiber processes. This product has been engineered to significantly improve behavior under impact and to reduce sound characteristics & structural vibrations.

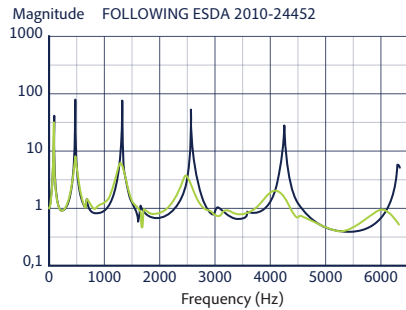


## PERFORMANCES

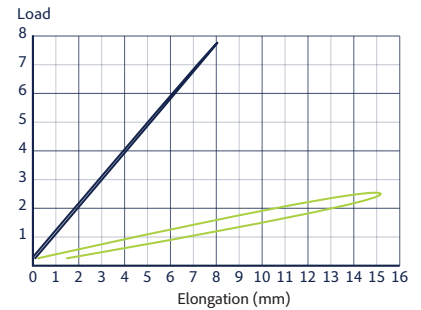
### IMPACT TEST



### DAMPING TEST



### TORSION TEST



Without SMACWRAP®



With SMACWRAP®

## OUR RANGE OF SOLUTIONS

CURED REFERENCES	THICKNESS	SURFACIC WEIGHT
100496-01	0.12 mm - 0.004 in	0.13 kg/m <sup>2</sup> - 0.027 lb/sqft
100491-01	0.60 mm - 0.02 in	0.92 kg/m <sup>2</sup> - 0.190 lb/sqft
101495-01	1.00 mm - 0.03 in	1.19 kg/m <sup>2</sup> - 0.244 lb/sqft
100494-01	1.60 mm - 0.06 in	2.41 kg/m <sup>2</sup> - 0.494 lb/sqft

UNCURED REFERENCES	THICKNESS	SURFACIC WEIGHT
101600-01	0.20 mm - 0.007 in	0.22 kg/m <sup>2</sup> - 0.045 lb/sqft
101601-01	0.75 mm - 0.029 in	0.83 kg/m <sup>2</sup> - 0.170 lb/sqft

## VARIANTS

