



Cold Spray of METal to Composite – COSMEC project

TITLE: *Composite functionalization by cold spray*

RESEARCH ACTIVITIES:

- ✓ Manufacturing of functionalized composite (FRP) samples: optimization of spraying materials and parameters
- ✓ Experimental tests for the mechanical characterization of the coating. Aim: assessment of mechanical resistance and monitoring of progressive damage
- ✓ Finite Element simulation of the process with impact of the particle. Aim: find optimized manufacturing parameters, understand interlocking mechanism, predict final properties

METHODOLOGY: Numerical, experimental

DURATION: 9-10 months

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