MANAGING COMPOSITES

X593 Biofibix prototype for JEC26

WORKS UPDATE 20/02/2026

DOCUMENT CONTROL TABLE

Document Title	WORKS UPDATE 20/02/2026
Document Code	
Project	X593 Biofibix prototype for JEC26
Author	SERGIO DE JUAN
Version	01
Confidentiality	BIOFIBIX
Recipient	CLIENT
Date	20/02/2026
Related Documents	

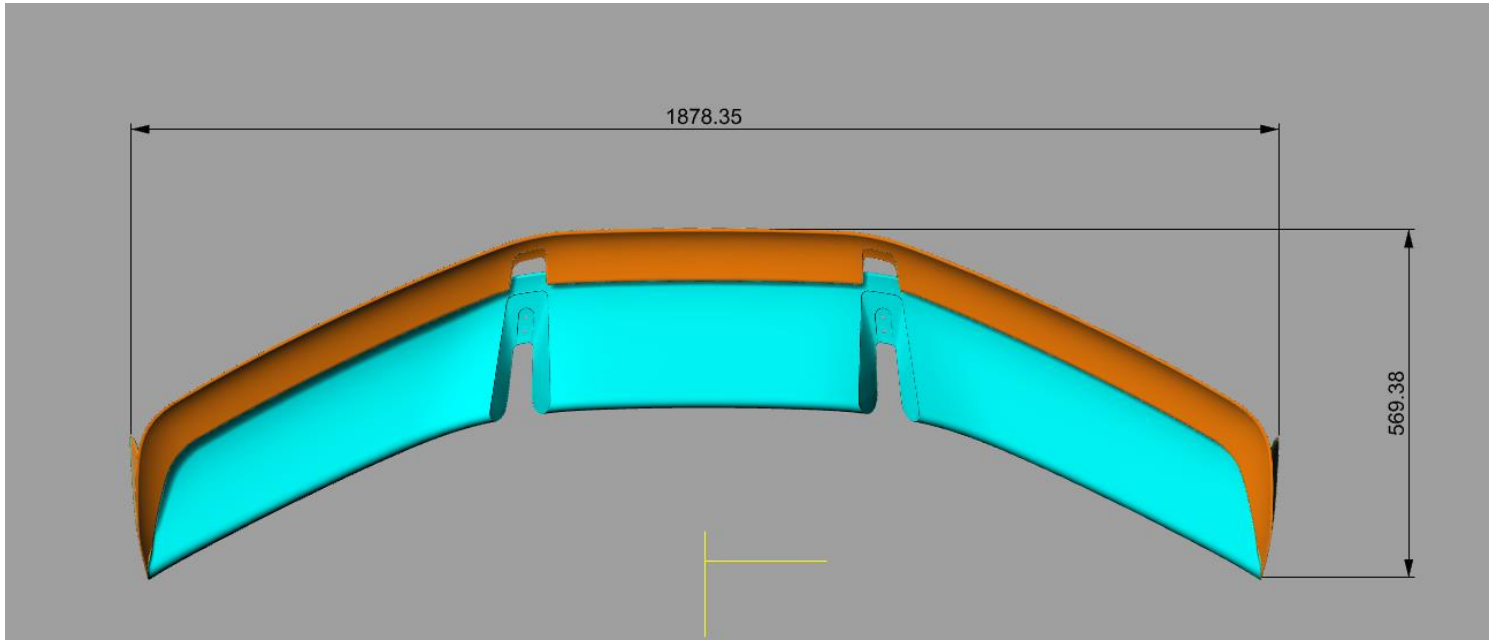
SUMMARY

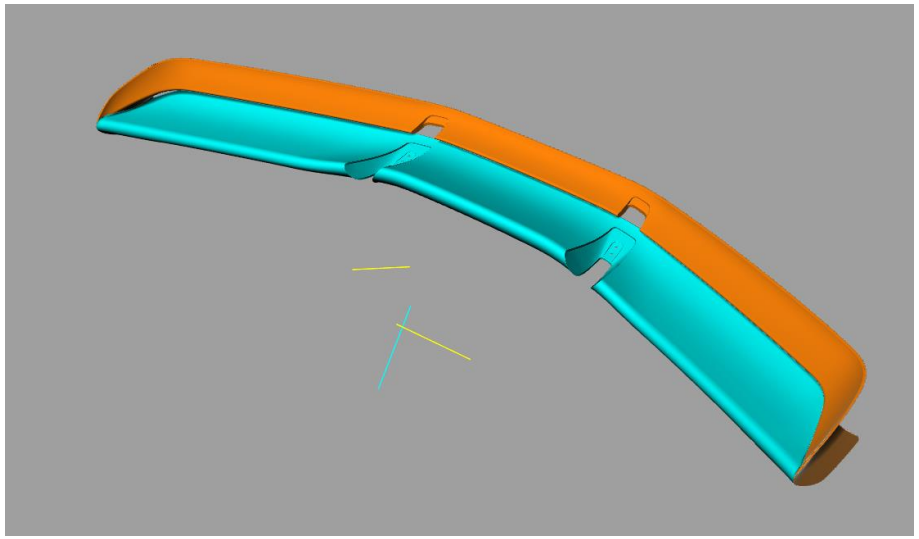
This presentation gathers the works performed up-to-date.

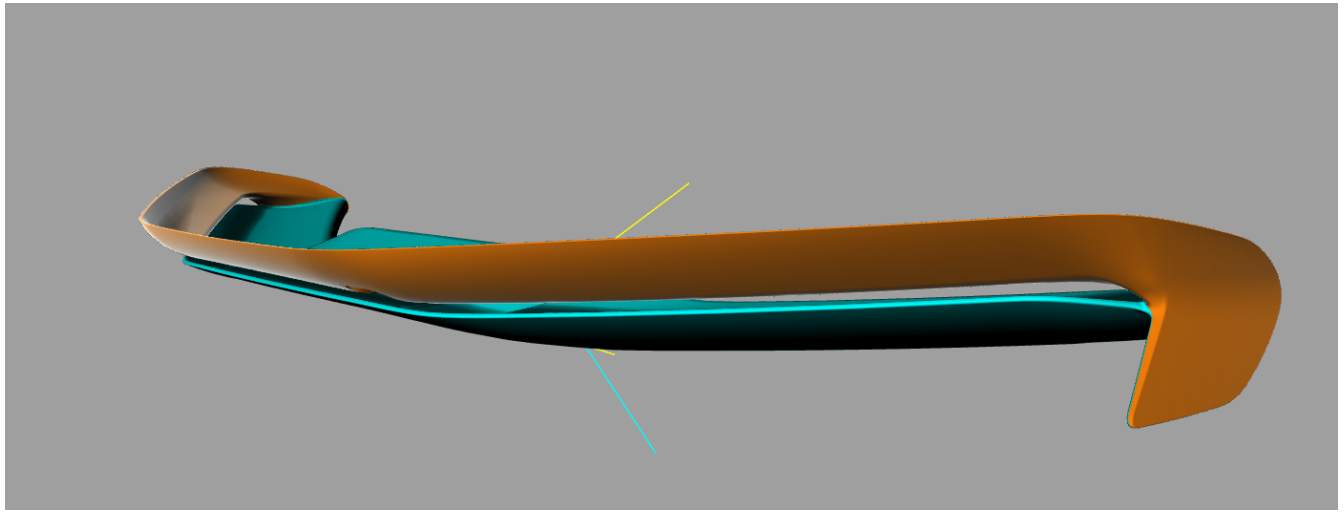
REV LOG

REV	DESCRIPTION	AUTHOR	DATE
1	New document	SERGIO DE JUAN	20/02/2026

PROTOTYPE 3D RENDER







MATERIALS AND PROCESS

RESIN:
EasyComposites EL2 Epoxy Laminating Resin + AT30 fast curing hardener

REINFORCEMENT Layup:
1x Hypermat 425
2x PlainWeave 360 gsm Glass Fiber fabric
1x Hypermat 425
Used Airtac 2 LH – tackifier for fiber laying

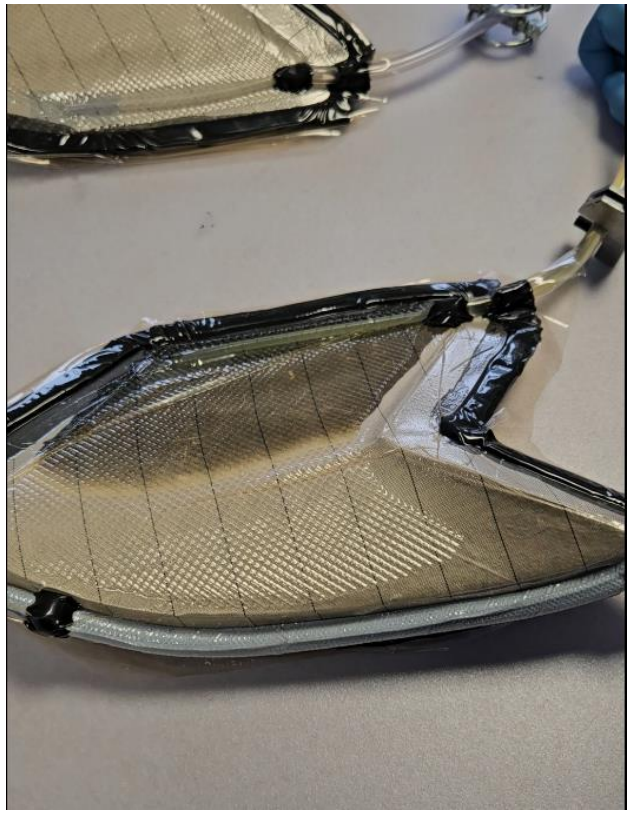
MOLDS
Carbon fiber Prepreg (designed for Prepreg Manufacturing)

ANCILLARY MATERIALS AND INFUSION SETUP STRATEGY
Marbocote 227 release agent
Fiber Layup
Peel ply – PA66 85gsm
Infusion mesh – PP FM100
ST150 Vacuum Bagging Sealant Tape

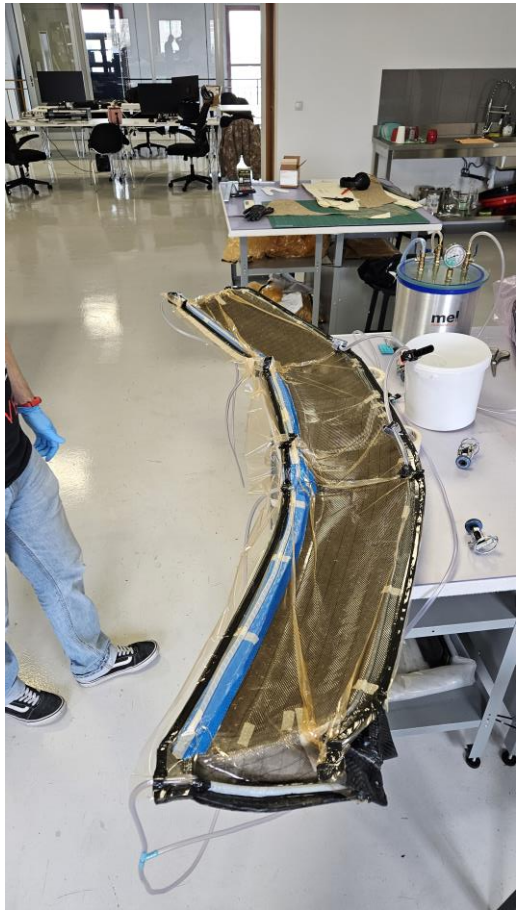
CURING PROFILE: 24h @ RT

TRIMMING: Diamond rotatory disk

WING ENDPLATES



MAIN PLANE - INFUSION



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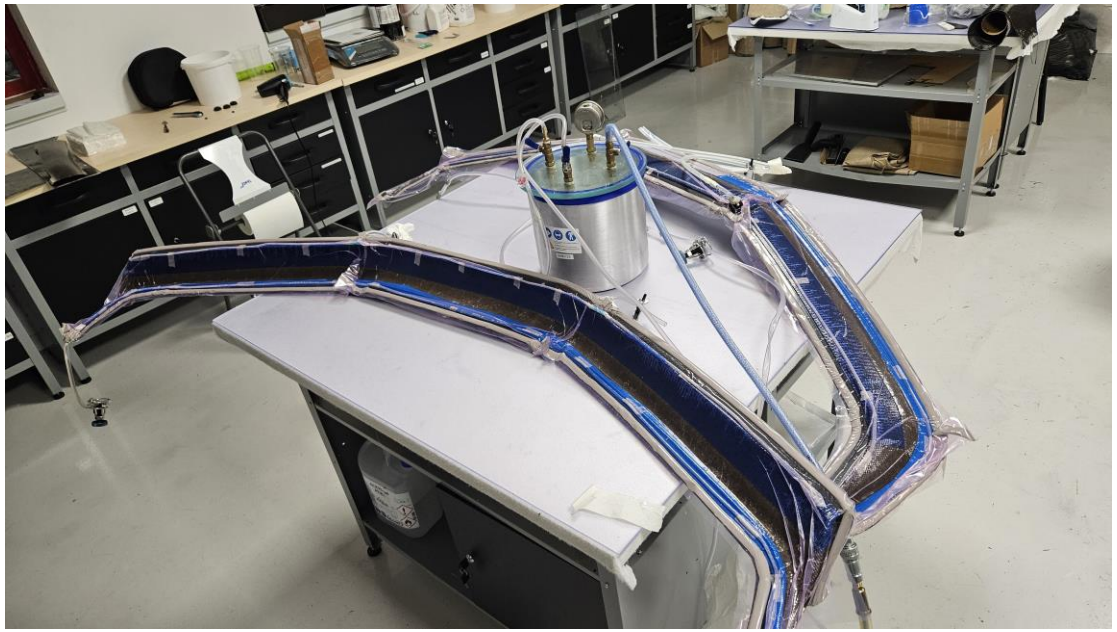
MAIN PLANE - RESULTS

WING FLAP



IN-MOULD ASSEMBLY (AFTER TRIMMING)

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