

2023



UNIVERSAL PARTS BROCHURE
CONSTRUCTION

ABOUT US

Established in 2000 in Colchester, Essex, UK by former Lotus engineer Simon Farren, Reverie started by designing and producing niche track day and aftermarket Carbon Fibre performance parts, primarily for Lotus models. Growing quickly, in 2001 Reverie started offering composite engineering and manufacturing services to small car manufacturers, motorsport manufacturing companies and race teams. Caterham Cars commissioned Reverie to design, manufacture and supply a complete induction silencer system for their R500 with K-Series engine. Between 2003 and 2005, Reverie was proudly involved in winning a large motorsport composite project for Foggy PETRONAS Racing, involving the manufacture of 150 full panel sets for the FP1 homologation special motorbike. All delivery times and quality targets were met for both the OEM manufacturing company and the FP1 race team. After gaining ISO9001 certification in 2014, Reverie was selected to manufacture Carbon Fibre OEM key fobs for McLaren (MP4/12 P1) to very high clear coated paint specifications. This large contract involved manufacturing over 24,000 units. #



MD, Simon J. Farren

WHY CHOOSE REVERIE?

An established world-wide market leader with passionate, professional and highly skilled staff who offer composites design, manufacturing and repair skills. A technical sales team with real practical knowledge of road/race and track applications and fitments of our Product ranges be it aerodynamics or powertrain enhancing to help you select the best solution and support you to fit our products. We have a one-stop shop - Composite cutting, laminating, curing, CNC machining, painting, polishing and inspection. We proudly supply LMP1/WRC Motorsport teams and manufacturers, not F1 including for example Cosworth Electronics, Gibson Technology, Lazer lamps, M-Sport. Because we do not supply F1 means we are not seasonal and will therefore not increase or inflate our prices or hold up your Reverie parts order. With full ISO 9001 quality status, as a customer you can be assured of the very best customer service, continuing service and product improvements and highest quality products and services, we need, like, internally monitor / report and respect your valued feedback.

[View terms and conditions.](#)

WHY THE AUTOCLAVED PROCESS?

We predominantly use pre-impregnated epoxy thermoset composite materials to ensure that high fibre contents can be achieved consistently. We also CNC cut, then meticulously hand lay, vacuum bag and autoclave all the layers to further ensure low void contents and trapped volatiles to maximise interlaminar shear properties by forcing the various layers in the fibre/resin matrix together. This process as used widely in F1 results in high quality lightweight, cosmetic grade parts achievable time and time again, with low void content and surface pin-holing.



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We produce various Autoclaved Carbon Fibre sheets that are suitable for a variety of purposes. All of our Carbon Fibre fabrication materials are made using T300 2x2 twill autoclaved Carbon Fibre and are available in a variety of thickness's and sizes.

Thinner sheets are more flexible and can be wrapped over curved surfaces whilst Carbon sandwich panels are much more rigid and bend less under load making them suitable for applications requiring light weight but high strength.

Carbon fibre angles (overleaf) can be used as structural spars in assemblies or as an edge finishing product.

Our Carbon fibre teardrop grille sections (page 5), both straight and curved can be used to make intake or exit grilles.

CARBON FIBRE FOAM SHEET

C71.75 or C71.55 PVC foam core sandwiched between two plies of T300 0.55mm skins. Double gloss finish.

Part No.	Dimension
R01SU0281	5.4 x 500 x 500mm
R01SU0174	5.4 x 1220 x 800mm
R01SU0175	5.4 x 1240 x 1000mm
R01SU0148	5.4 x 1500 x 500mm
R01SU0160	5.4 x 1500 x 750mm
R01SU0208	5.4 x 2000 x 1000mm
R01SU0159	5.4 x 2000 x 500mm
R01SU0161	5.4 x 2000 x 750mm
R01SU0162	5.4 x 2500 x 750mm
R01SU0287	6.2 x 500 x 500mm
R01SU0201	6.2 x 1220 x 800mm
R01SU0202	6.2 x 1240 x 1000mm
R01SU0205	6.2 x 1500 x 500mm
R01SU0203	6.2 x 1500 x 750mm
R01SU0209	6.2 x 2000 x 1000mm
R01SU0204	6.2 x 2000 x 500mm
R01SU0206	6.2 x 2000 x 750mm
R01SU0207	6.2 x 2500 x 750mm
R01SU0326	9.0 x 2000 x 1000mm
R01SU0288	12.1 x 500 x 500mm
R01SU0232	12.1 x 2000 x 1000mm

CARBON FIBRE ALUMINIUM HONEYCOMB SHEET

C71.75 or C71.55 PVC foam core sandwiched between two plies of T300 0.55mm skins. Double gloss finish.

Part No.	Dimension
R01SU0290	5.0 x 500 x 500mm
R01SU0176	5.0 x 1240 x 1000mm
R01SU0177	5.0 x 2000 x 750mm
R01SU0178	5.0 x 2000 x 1000mm
R01SU0179	5.0 x 2500 x 750mm
R01SU0282	7.3 x 500 x 500mm
R01SU0173	7.3 x 1240 x 1000mm
R01SU0180	7.3 x 2000 x 750mm
R01SU0172	7.3 x 2000 x 1000mm
R01SU0181	7.3 x 2500 x 750mm
R01SU0284	10.0 x 500 x 500mm
R01SU0211	10.0 x 1240 x 1000mm
R01SU0283	13.5 x 500 x 500mm
R01SU0182	13.5 x 1240 x 1000mm
R01SU0183	13.5 x 2000 x 750mm
R01SU0184	13.5 x 2000 x 1000mm
R01SU0213	13.5 x 2500 x 750mm
R01SU0303	23 x 1240 x 500mm FIA 1

CARBON FIBRE FLAT SHEET

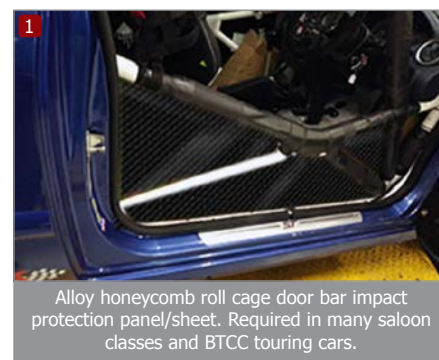
*Indicates double sided gloss

Part No.	Dimension
R01SU0013	0.30 x 1220 x 250mm (1 Ply)
R01SU0226	0.30 x 1220 x 250mm*
R01SU0014	0.30 x 1220 x 400mm (1 Ply)
R01SU0015	0.30 x 1220 x 800mm (1 Ply)
R01SU0091	0.30 x 1240 x 1000mm (1 Ply)
R01SU0062	0.30 x 2000 x 1000mm (1 Ply)
R01SU0061	0.30 x 2000 x 500mm (1 Ply)
R01SU0231	0.30 x 2500 x 750mm (1 Ply)
R01SU0272	0.30 x 500 x 500mm (1 Ply)
R01SU0016	0.55 x 1220 x 250mm (2 Ply)
R01SU0017	0.55 x 1220 x 400mm (2 Ply)
R01SU0018	0.55 x 1220 x 800mm (2 Ply)
R01SU0092	0.55 x 1240 x 1000mm (2 Ply)
R01SU0165	0.55 x 2000 x 1000mm (2 Ply)
R01SU0155	0.55 x 2000 x 500mm (2 Ply)
R01SU0156	0.55 x 2500 x 750mm (2 Ply)
R01SU0273	0.55 x 500 x 500mm (2 Ply)
R01SU0019	0.80 x 1220 x 250mm (3 Ply)
R01SU0020	0.80 x 1220 x 400mm (3 Ply)
R01SU0021	0.80 x 1220 x 800mm (3 Ply)
R01SU0093	0.80 x 1240 x 1000mm (3 Ply)
R01SU0237	0.80 x 1500 x 500mm (3 Ply)
R01SU0167	0.80 x 2000 x 1000mm (3 Ply)
R01SU0166	0.80 x 2000 x 500mm (3 Ply)
R01SU0066	0.80 x 2500 x 750mm (3 Ply)
R01SU0274	0.80 x 500 x 500mm (3 Ply)
R01SU0024	1.0 x 1220 x 250mm (4 Ply)
R01SU0025	1.0 x 1220 x 400mm (4 Ply)
R01SU0026	1.0 x 1220 x 800mm (4 Ply)
R01SU0094	1.0 x 1240 x 1000mm (4 Ply)
R01SU0168	1.0 x 2000 x 1000mm (4 Ply)
R01SU0157	1.0 x 2000 x 500mm (4 Ply)
R01SU0158	1.0 x 2500 x 750mm (4 Ply)
R01SU0275	1.0 x 500 x 500mm (4 Ply)
R01SU0311	1.25 x 500 x 500mm
R01SU0312	1.25 x 1220 x 250mm
R01SU0313	1.25 x 1220 x 400mm
R01SU0314	1.25 x 1220 x 800mm
R01SU0315	1.25 x 1240 x 1000mm
R01SU0316	1.25 x 2000 x 1000mm
R01SU0317	1.25 x 2000 x 500mm
R01SU0318	1.25 x 2500 x 750mm
R01SU0037	1.46 x 1220 x 250mm
R01SU0038	1.46 x 1220 x 400mm
R01SU0039	1.46 x 1220 x 800mm
R01SU0095	1.46 x 1240 x 1000mm
R01SU0170	1.46 x 2000 x 1000mm
R01SU0169	1.46 x 2000 x 500mm
R01SU0070	1.46 x 2500 x 750mm
R01SU0276	1.46 x 500 x 500mm
R01SU0325	1.8 x 1220 x 400mm D/Gloss
R01SU0187	1.8 x 1220 x 800mm D/Gloss
R01SU0188	1.8 x 1240 x 1000mm D/Gloss
R01SU0285	1.8 x 500 x 500mm D/Gloss
R01SU0304	2.0 x 1220 x 250mm D/Gloss
R01SU0268	2.0 x 1220 x 800mm D/Gloss
R01SU0310	2.0 x 2000 x 1000mm D/Gloss
R01SU0305	2.0 x 500 x 500mm D/Gloss
R01SU0189	3.0 x 1220 x 800mm D/Gloss
R01SU0190	3.0 x 1240 x 1000mm D/Gloss
R01SU0286	3.0 x 500 x 500mm D/Gloss
R01SU0236	5.0 x 1240 x 1000mm D/Gloss
R01SU0289	5.0 x 500 x 500mm D/Gloss
R01SU0346	5.0 x 2000 x 1000mm D/Gloss

CARBON FIBRE NOMEX SHEET

C71.75 or C71.55 PVC foam core sandwiched between two plies of T300 0.55mm skins. Double gloss finish.

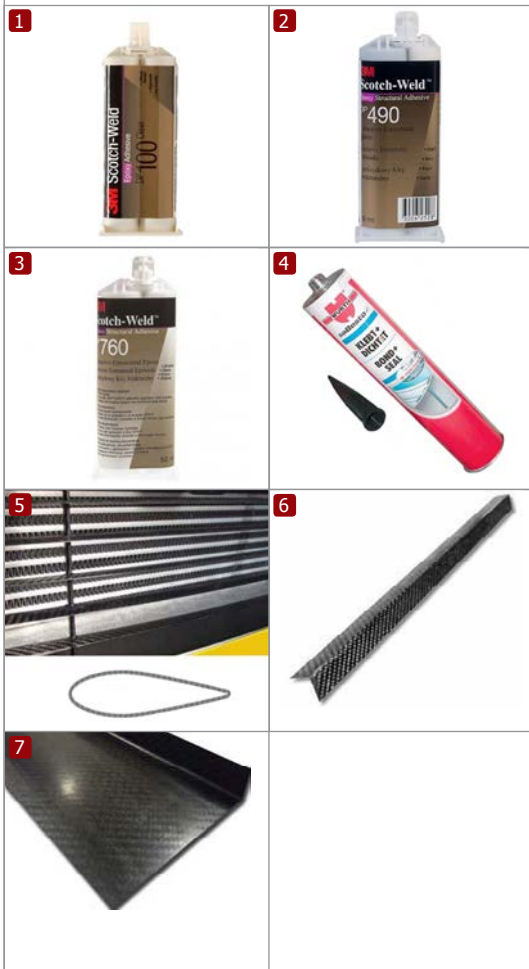
Part No.	Dimension
R01SU0277	4.0 x 500 x 500mm
R01SU0049	4.0 x 1220 x 400mm
R01SU0050	4.0 x 1220 x 800mm
R01SU0096	4.0 x 1240 x 1000mm
R01SU0077	4.0 x 2000 x 1000mm
R01SU0078	4.0 x 2500 x 750mm
R01SU0278	6.0 x 500 x 500mm
R01SU0051	6.0 x 1220 x 400mm
R01SU0052	6.0 x 1220 x 800mm
R01SU0097	6.0 x 1240 x 1000mm
R01SU0079	6.0 x 2000 x 1000mm
R01SU0080	6.0 x 2500 x 750mm
R01SU0279	10.0 x 500 x 500mm
R01SU0053	10.0 x 1220 x 400mm
R01SU0054	10.0 x 1220 x 800mm
R01SU0098	10.0 x 1240 x 1000mm
R01SU0081	10.0 x 2000 x 1000mm
R01SU0082	10.0 x 2500 x 750mm
R01SU0099	12.0 x 2000 x 1000mm
R01SU0280	12.0 x 500 x 500mm



Alloy honeycomb roll cage door bar impact protection panel/sheet. Required in many saloon classes and BTCC touring cars.

SANDWICH SHEET MASS DEFLECTION DATA

MATERIAL	MASS LOAD	LAY UP DENSITY	BENDING STIFFNESS	BENDING DEFLECTION	SAMPLE WEIGHT
Airex Core 2.0mm/1m ²	25kg	0.52g/cm ³	62.5N/m ²	81.7mm	1.521kg
Airex Core 3.0mm/1m ²	25kg	0.40g/cm ³	112.5N/m ²	41.7mm	1.581kg
Airex Core 5.0mm/1m ²	25kg	0.30g/cm ³	302.5N/m ²	16.9mm	1.801kg
Airex Core 8.0mm/1m ²	25kg	0.23g/cm ³	722.5N/m ²	7.1mm	2.041kg
Airex Core 10.0mm/1m ²	25kg	0.20g/cm ³	1102.5N/m ²	4.6mm	2.201kg
Airex Core 15.0mm/1m ²	25kg	0.16g/cm ³	2402.5N/m ²	2.1mm	2.601kg
Nomex Core 3.0mm/1m ²	25kg	0.39g/cm ³	112.5N/m ²	41.7mm	1.545kg
Nomex Core 5.0mm/1m ²	25kg	0.28g/cm ³	302.5N/m ²	16.9mm	1.641kg
Nomex Core 9.0mm/1m ²	25kg	0.18g/cm ³	902.5N/m ²	5.7mm	1.833kg
Alloy Core 4.0mm/1m ²	25kg	0.41g/cm ³	202.5N/m ²	25.2mm	2.194kg
Alloy Core 6.4mm/1m ²	25kg	0.31g/cm ³	469.2N/m ²	10.9mm	2.415kg
Alloy Core 12.0mm/1m ²	25kg	0.22g/cm ³	1532.5N/m ²	3.3mm	2.995kg



Part No. ADHESIVES

- 1 R01SQ6513 3M Scotch-Weld DP100 EPX Epoxy Adhesive - 50ml Clear
- 2 R01SQ6208 3M Scotch-Weld DP490 EPX Epoxy Adhesive - 50ml Black
- 3 R01SQ6209 3M Scotch-Weld DP760 EPX Epoxy High Temp Adhesive - 50ml White
- 4 R01SQ6290 Wurth Bond & Seal PU Adhesive & Sealant 310ml Black 0890 100 73

5 AERO GRILL STRIPS

- R01SB0333 1000mm - Curved (Concave)
- R01SB0286 1000mm - Curved (Convex)
- R01SB0285 1000mm - Straight

6 CARBON ANGLE 1.1mm THICK

- R01SU0056 90deg 23mm x 23mm x 1220mm - Ext. Shiny
- R01SU0055 90deg 23mm x 23mm x 1220mm - Int. Shiny
- R01SU0323 90deg 23mm x 23mm x 2350mm - Ext. Shiny
- R01SU0032 90deg 23mm x 23mm x 500mm - Int. Shiny
- R01SU0171 90deg 25mm x 25mm x 1220m - D/Gloss
- R01SU0033 90deg 25mm x 25mm x 500mm - Ext. Shiny

CARBON ROUNDED ANGLE 1.1mm THICK

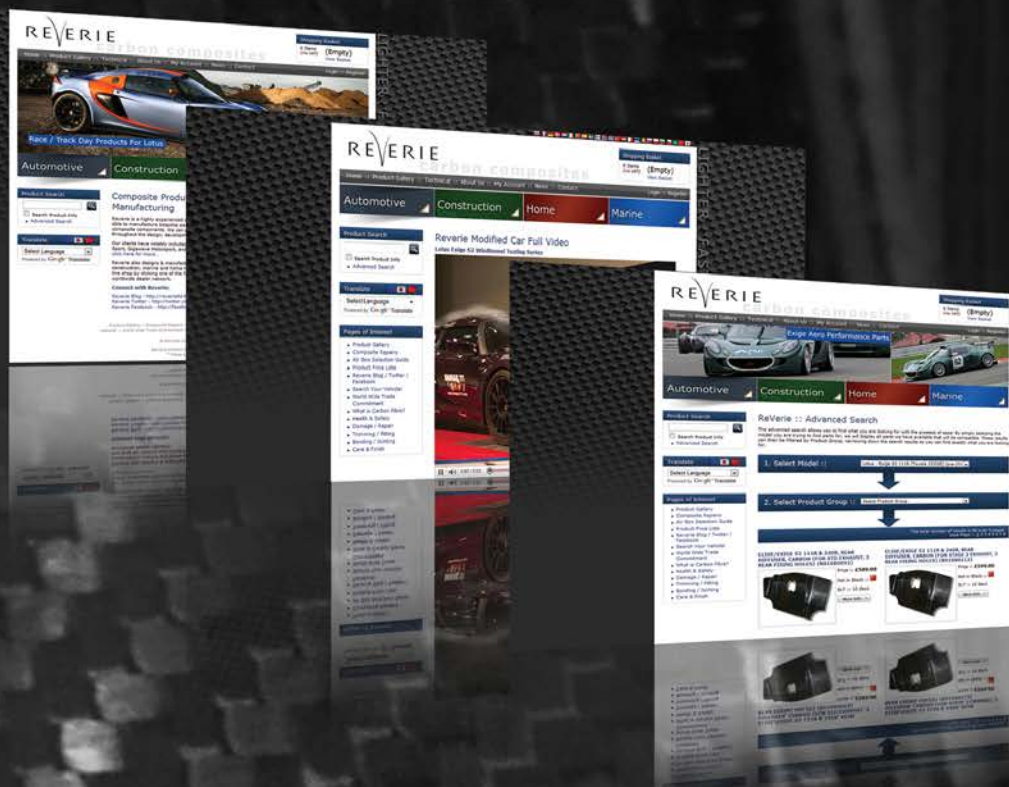
- R01SU0154 90deg 23mm x 10mm x 1000mm Int. Bond
- R01SU0153 90deg 23mm x 10mm x 2000mm Int. Bond

CARBON ANGLE 1.8mm THICK

- 7 R01SU0163 90deg 100mm x 25mm x 1800m - D/Gloss

CARBON ANGLE 3.0mm THICK

- R01SU0331 90deg 3.0mm 100mm x 25mm x 1800m - Double Gloss
- R01SU0333 90deg 3.0mm 23mm x 23mm x 1220mm - External Shiny
- R01SU0332 90deg 3.0mm 23mm x 23mm x 1220mm - Internal Shiny
- R01SU0335 90deg 3.0mm 23mm x 23mm x 2000mm - External Shiny
- R01SU0334 90deg 3.0mm 23mm x 23mm x 2000mm - Internal Shiny



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