At CompPair, we provide prepregs to build healable and sustainable composites



Inspired by **nature**, CompPair Technologies Ltd. brings the **healing capability** to composites. Our vision is to bring **full circularity** to the composite industry, **extending the lifetime of composites by healing matrix** and enabling a **more efficient recycling** of the fibers at the end of life. HealTech[™] products by CompPair are **pre-impregnated textiles** available with multiple architectures and fibre types (see page 4 for more information).



At CompPair we believe in a **world without materials waste**. We support the **sustainable development goals**. Indeed, our vision is to contribute to take part in inclusive and sustainable industrialization, together with innovation and infrastructure, to promote responsible consumption and production and to act towards **climate action**.



We are a dynamic team of talents working with clients to produce products, that **last longer and produce less waste**. Our strong values, **dedication**, **honesty and curiosity**, help us achieve our goals. Based in Lausanne, CompPair Technologies is a **Swiss pioneer in the self-healing composites field**.

<u>Demo video</u> (available on our YouTube channel)



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HealTech[™] prepregs enable in-situ matrix healing in minutes, with heat only

HealTech[™] prepregs are used to manufacture composite structures with the ability to **heal matrix damage autonomously in 1 to 5 minutes** by heating the part between **100°C and 150°C**. Parts made with HealTech[™] fully recover initial properties multiple times and stay structural during the healing cycle. Thanks to HealTech[™], repairs can be done on-site with only a heat gun, in a few minutes, without affecting the parts' performances. HealTech[™] is compatible with **benchmark prepreg production processes** and is currently available with **glass and carbon reinforcements** in various architectures and areal weights.

HealTech[™] Carbon

HealTech[™] T300-TW200-42RW-1250 HealTech[™] T700-TW415-38RW-1250 HealTech[™] T700-UD200-36RW-300



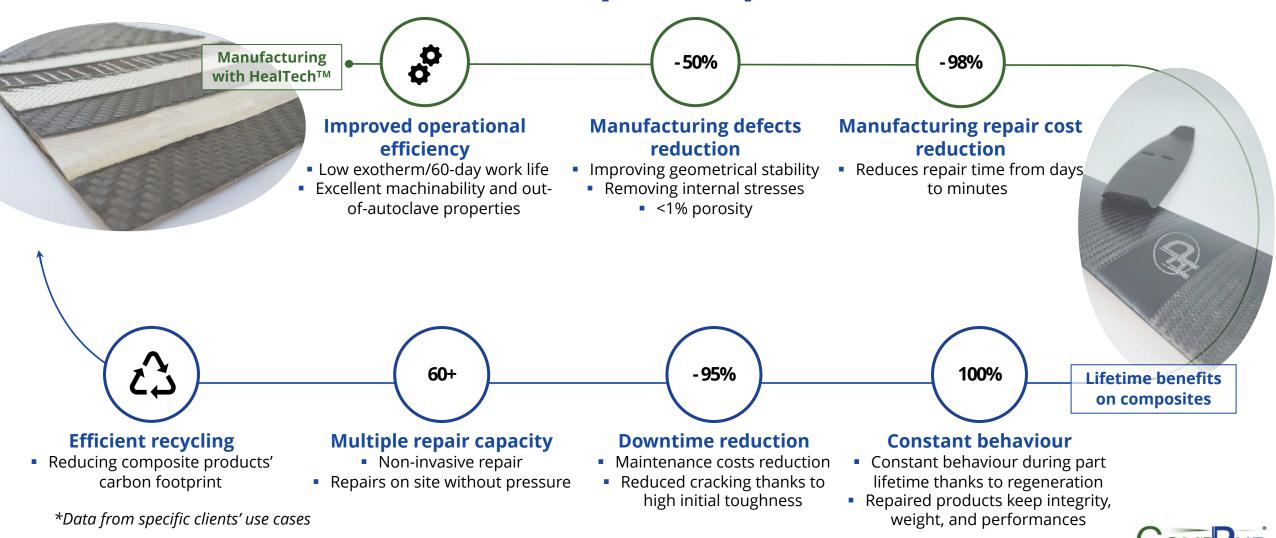
HealTech[™] Glass

HealTech[™] GLASS-TW390-38RW-1250 HealTech[™] EGLASS-UD400-35RW-300 HealTech[™] GLASS-UD220-32RW-1000

HealTech[™] T300-TW200-42RW-1250 Product Fibre - Architecture – Areal weight - Resin weight % - Roll width



HealTech[™] prepregs improves operational efficiency and extends the lifetime of composite products





Technical Data

HealTech[™] is a toughened prepreg resin system with a special healing agent, giving FRPs the ability to **heal cracks and delaminations** in 1 minute by locally heating the part in a range of 100°C-150°C. HealTech[™] is compatible with prepregs production lines and is suitable for Autoclave, Out-of-Autoclave, and press curing.

	Yarn	Architecture	Weight	Tensile		Bending		Toughness
			(g/m²)	Strength (MPa)	Modulus (GPa)	Strength (MPa)	Modulus (GPa)	(J/m²)
HealTech EGLASS- TW390-38RW-1250	E-Glass	Twill	390	487 ± 24	22 ± 1	576 ± 16	22 ± 0.2	1 365 ± 143
HealTech EGLASS- UD220-32RW-1000	E-Glass	Stitched UD	220	766 ± 154	40 ± 1	703 ± 19	37 ± 0.4	2 168 ± 188
HealTech EGLASS- UD400-35RW-300*	E-Glass	UD	400	N/A	N/A	N/A	N/A	N/A
HealTech T300- TW200-42RW-1250	T300-3K	Twill	200	728 ± 26	66 ± 2	705 ± 28	51 ± 0.6	1 243 ± 106
HealTech T700- TW415-38RW-1250	T700-12K	Twill	415	955 ± 43	65 ± 1	559 ± 31	48 ± 2	N/A
HealTech T700- UD200-36RW-300	T700-12K	UD	200	2 657 ± 189	133 ± 2	1 015 ± 29.0	107 ± 3	N/A

*currently under assessment

The information provided in this document is without legal responsibility. Users are required to perform testing to confirm that the product meets their requirements.

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