

Welcome to PD Technology

Experts in coated webbing - Redefining the world of synthetic leather strapping

Introducing Leather**TECH** Pro™

A superior, high performance, eco-friendly, synthetic leather strapping product, that's taken over 7 years to develop. **LeatherTECH Pro™** has our high tenacity webbing core, which we wrap in our own **BioMER™** coating, using a polymer that has a superior look and feel and is amongst the safest polymer coatings in use. Our own unique **HiBOND+™** technology is then used to bond the **BioMER™** coating to the webbing core, giving us a bond that is stronger than any other coated webbing on the market today.

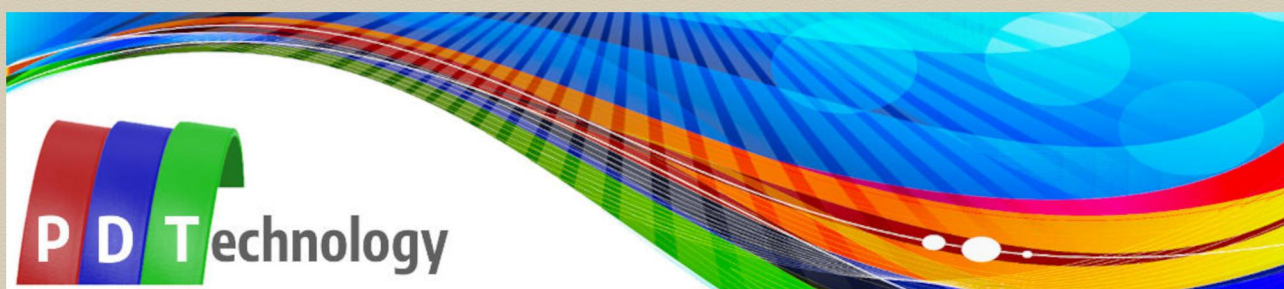


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LeatherTECH Pro™ Options

Our **LeatherTECH Pro™** comes with a 2.5mm thick profile as standard and is also available in a plus size of 2.9mm thick. For more demanding applications we also provide a Heavy option which comes in varying thickness, dependant on the width, as seen below. The finish can be matt, semi-gloss and high gloss.

Width		Breaking Strength	Thickness (mm) Standard / Plus / Heavy
13mm	½"	600Kg	2.5 / 2.9 / 3.6
16mm	⅝"	750Kg	2.5 / 2.9 / 3.6
19mm	¾"	900Kg	2.5 / 2.9 / 3.8
25mm	1"	1200Kg	2.5 / 2.9 / 4.6
32mm	1¼"	1500Kg	2.5 / 2.9 / 4.6
38mm	1½"	1800Kg	2.5 / 2.9 / 4.6
44mm	1¾"	2100Kg	2.5 / 2.9 / 4.6
50mm	2"	2400Kg	2.5 / 2.9 / 5.5
63mm	2½"	3000Kg	2.5 / 2.9 / 5.5

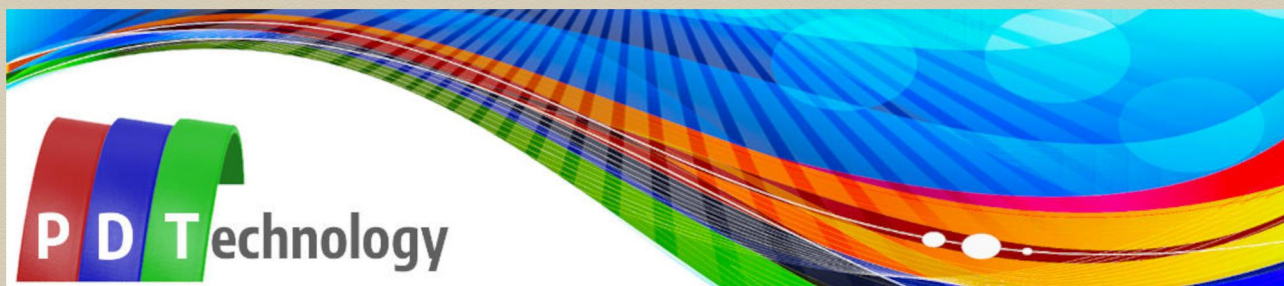
The breaking strength is the typical force at which the internal webbing breaks - for safety, ensure your requirements are well within these limits.

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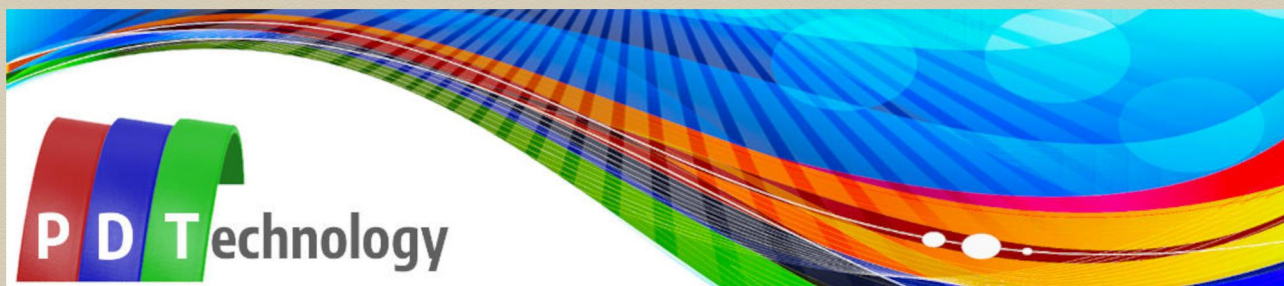


LeatherTECH Pro™ Colours



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About BioMER™

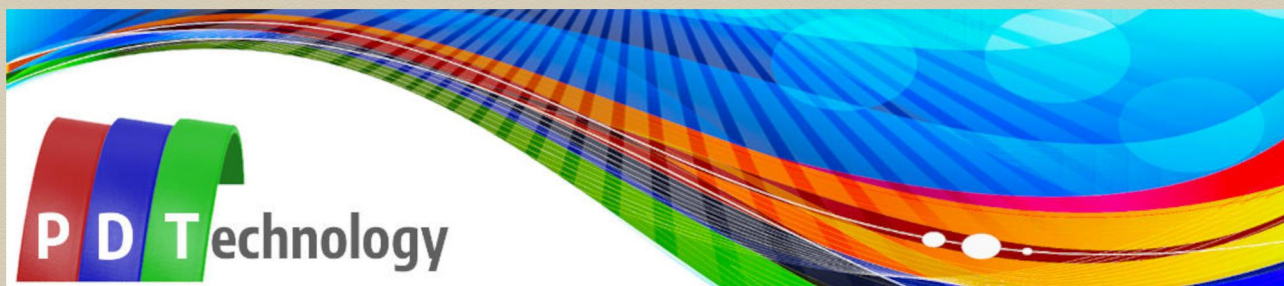
- ◆ **BioMER™** is our own polymer, developed to provide a soft, supple coating that gives a premium look and feel.
- ◆ It can produce outstanding looking high gloss and deep matt finishes.
- ◆ It has high UV stability and a very low migration level, which gives a very long lifespan.
- ◆ It is composed of only the safest ingredients, containing absolutely zero chemicals on the EU's REACH list of Substances of Very High Concern (SVHC).
- ◆ We use only 100% virgin materials to ensure we know it only contains the very safest components.
- ◆ **BioMER™** is so safe it is a medical grade, bio-compatible polymer, which could be used to manufacture certified medical implants.
- ◆ When developing our **BioMER™** polymer alongside our supplier we have insisted on using only the very highest quality materials.
- ◆ Only the best synthetic leather strapping will have an outer coating where the manufacturer has spent the time, effort and money to develop something that is as safe as it can be, whilst also having a premium look and feel. Although we do not claim to be the only manufacturer to do this, we are part of a very exclusive club.

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About HiBOND+™

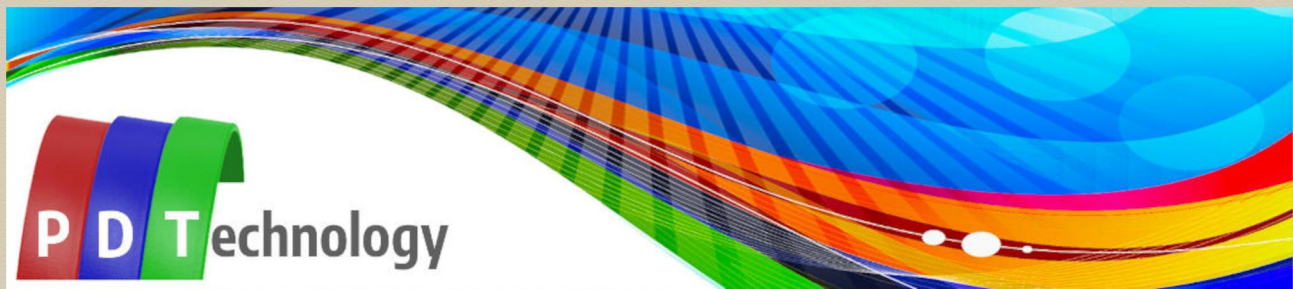
- ◆ **HiBOND+™** is the technology we have pioneered, over 6 years of continual development, evaluation and refinement, to deliver the industry-leading polymer to webbing bond strength.
- ◆ Synthetic leather strapping will typically be subjected to being bent, twisted, pushed and pulled which can ultimately result in delamination of the outer coating from the inner core strap.
- ◆ **HiBOND+™** technology easily copes with the stresses of use and ensures that the **BioMER™** coating remains firmly attached to the webbing core, giving full strength and performance, throughout the life of the product.
- ◆ In our pull tests to determine force required to separate the outer coating from the webbing core, **LeatherTECH Pro™** consistently achieves over 5Kg, whereas the best achieved from other suppliers was 3.5Kg and the lowest a very poor 0.6Kg
- ◆ In our flex tests, bending a strip 95° either side of straight, after 100,000 cycles our **BioMER™** coating was still firmly anchored to the webbing core with no sign of delamination. The best of the rest delaminated after approximately 25,000 cycles.
- ◆ When **LeatherTECH Pro™** is cut, the bond is so strong that the loose webbing fibres at the cut end will remain resolutely attached to the **BioMER™** coating, preventing any possibility of the webbing core starting to unravel.
- ◆ Should a cut end or punched hole fail to heat seal fully, **HiBOND+™** technology in **LeatherTECH Pro™** can make all the difference.

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About Our Webbing

- ◆ We weave our own webbing using a polyester 1000 denier high tenacity, multi filament yarn to produce a high density, tight weave that gives us a large amount of yarn packed in to a relatively thin webbing strip.
- ◆ At approximately 1.3mm thick yet having 1200Kg/25mm breaking strain we provide a webbing strap that is as thin as any standard strap but as strong as a heavyweight strap.
- ◆ We do not know of any other standard 2.5mm thick synthetic leather strap that provides over 1000kg/25mm breaking strain.
- ◆ Our thin yet strong webbing allows us to offer a standard thickness strap that gives up to twice the strength, without any sacrifice to the thickness of our **BioMER™** coating and therefore the protection that gives.
- ◆ At the heavy weight thicknesses you get all the strength alongside a much thicker **BioMER™** coating, providing greater protection to the webbing core.
- ◆ Our weave pattern manages to provide a textured surface that gives a relatively large surface area despite its thinness, which works in conjunction with our **HiBOND+™** technology to give a bond strength that surpasses everything else.
- ◆ The webbing we produce allows us to provide a product with zero compromise. We do not compromise strength at the standard sizes. We do not compromise protection at the 'heavyweight' sizes.

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