**SeaTak Technical Specifications Sheet**

**Adhesive Lap Joint Sheer Strength (ASTM D1002)**

*All materials with substrate failure (PVC, Soft Wood, Hard Wood, Limestone, and Concrete) indicate that adhesive bond stronger than material.*

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| Substrate Material | Peak Stress (PSI) | Failure Mode |
| Stainless Steel | 914 | Adhesive |
| Cold Rolled Steel | 1,118 | Adhesive/Cohesive |
| Aluminum | 650 | Adhesive |
| Polyvinyl Chloride (PVC) | 526 | Substrate (1) |
| Soft Wood – Pine | 747 | Substrate (2) |
| Hard Wood – Birch | 859 | Substrate (3) |
| Copper | 468 | Adhesive |
| Poly(methyl-methacrylate) – PMMA | 692 | Adhesive |
| Limestone Tile | 325 | Substrate (4) |
| Concrete Tile | 410 | Substrate (4) |

1. Substrate (PVC) failed above 500 PSI. See example picture below:



1. ****Substrate (Soft Wood-Pine) failed above 740 PSI. See example picture below:

1. Substrate (Hard Wood – Birch) failed above 850 PSI. See picture below:



1. Substrate (Limestone) failed above 300 PSI (concrete at 400 PSI). See picture below:

