

ShapeShift™ is a High Build Polymer System designed specifically for transitioning composite repairs over big changes in geometry like stop gaps, enclosures, flanges and valves. ShapeShift™ can be applied up to 3" thick in a single vertical lift providing a fast solution to challenging applications where big transitions are required. ShapeShift™ does not require a cure time prior to applying HJ3's Composite Repair Systems. The ShapeShift™ system is formulated to allow for over-wrapping within minutes of a completed installation.

Durability

ShapeShift™ relies on HJ3's patented polymers with a +20-year in-service history. ShapeShift™ polymers have extensive durability testing in +300 chemicals and 20,000 hours of accelerated testing in acids, caustics, seawater, ultraviolet (UV) radiation and biologically active environments. HJ3's design team can make recommendations on which ShapeShift™ formulation to utilize based on specific service and temperature requirements.

Specialized Systems

ShapeShift™ is produced in a variety of specialized systems:

- ShapeShift™ CHEM - aggressive acid & caustic environments,
- ShapeShift™ NSF61- potable drinking water applications, or FDA Food Safe applications,
- ShapeShift™ SubSea – Subsea and splash zone applications
- ShapeShift™ HT1 – high service temperatures

Common Applications

- Leak enclosures and clamps
- Stop-gaps
- Flanges & Valves
- Transitioning over stiffeners and brackets

Benefits

- Non-sagging when applied up to 3-inches in a single pass
- Available in pre-measured kits to simplify field mixing
- Send dimensions of application for same-day estimate and shipping

