



Asset Identification Solutions

Product Performance Guarantee

Aquasign® & Fixing Solutions

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Revision 7

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Pre-Deployment – Fabrication Phase

Products	Brands	Guarantees	Requirements & Limitations
Silicone Anti-Fouling Marker Systems	Aquasign® Solis® Altus™	Antifouling Performance as specified: • 60* years from delivery to customer <i>* lifespan can be increased if necessary</i>	Markers surface must remain blemish free from damage e.g. (but not limited) to weld splatter, scratches and contaminants such as grease or surplus adhesive. Product recommendations or requirements must be followed. <ul style="list-style-type: none"> • Protective Cover Procedure – Rev 2 • Aquasign® Datasheet – Rev 4
Silicone Anti-Fouling Marker Systems	Solis®	Colour Stability – direct sunlight exposure • Asia / Africa / Americas - 2 years from delivery to customer • Europe - 4 years from delivery to customer <i>Colour stability does not impact anti-fouling performance</i>	Products must be stored and used in accordance with supporting datasheet; <ul style="list-style-type: none"> • Aquasign® Datasheet – Rev 4
RTV1 Silicone - Single Component	Biohesive®	Adhesion Performance as specified Lifespan (Cured): • Long term fixing guarantee provided in line with anti-fouling performance from marker specification	Markers must be installed by competently training personnel who ensure they include a complete sealing bead around all edges. Some substrates will require the use of a primer. Products must be stored and used in accordance with supporting procedures and datasheets; <ul style="list-style-type: none"> • Preservation/Installation Procedure KISS® – Rev 2 • Preservation/Installation Procedure Biohesive® 225 / Primer – Rev2 • Preservation/Installation Procedure Biohesive® Primer 131 – Rev 2 • Biohesive® Datasheet – Rev 3 • Biohesive® SDS – Rev 10/11/2015 • Biohesive® Primer SDS - Rev 13/03/2016 <p>Recommended storage temperature - Minimum: 4°C / Maximum: 30°C</p>
RTV1 Silicone & Acrylic Tape System	KISS®	Adhesion Performance as specified Lifespan (Cured): • Long term fixing guarantee provided in line with anti-fouling performance from marker specification	Markers must be installed by competently training personnel who ensure they include a complete sealing bead around all edges. Some substrates will require the use of a primer. Products must be stored and used in accordance with supporting procedures and datasheets; <ul style="list-style-type: none"> • Preservation/Installation Procedure KISS® – Rev 2 • KISS® Datasheet – Rev 3 • Biohesive® Datasheet – Rev 3 • KISS® Tapes SDS – Rev 14/03/2013 • Biohesive® SDS – Rev 10/11/2015 <p>Recommended storage temperature - Minimum: 4°C / Maximum: 30°C</p>



Pre-Deployment – Fabrication Phase

Products	Brands	Guarantees	Requirements & Limitations
Polyurethane - 2 Part	Aquahesive™	Adhesion Performance as specified Lifespan (Cured): <ul style="list-style-type: none"> • Long term fixing guarantee provided in line with anti-fouling performance from marker specification 	Markers must be installed by competently training personnel. Products must be stored and used in accordance with supporting procedures and datasheets; <ul style="list-style-type: none"> • <i>Preservation/Installation Procedure Aquahesive™ 5836 – Rev 2</i> • <i>Aquahesive™ Datasheet – Rev 3</i> • <i>Aquahesive™ – Part A SDS – Rev 04/12/2013</i> • <i>Aquahesive™ – Part B SDS – Rev 04/12/2013</i> Recommended storage temperature - Minimum: 5°C / Maximum: 35°C
Cable ties - Nylon® 6		Mechanical Fixing Performance as specified Lifespan: <ul style="list-style-type: none"> • Long term fixing guarantee provided in line with anti-fouling performance from marker specification 	Product recommendations must be followed in accordance with supporting procedures and datasheets; <ul style="list-style-type: none"> • <i>Quick Fixing Guide Cable Tie – Rev 1</i> • <i>Cable Ties Datasheet – Rev 3</i>
Polypropylene Banding Systems	Q-Band®	Mechanical Fixing Performance as specified Lifespan: <ul style="list-style-type: none"> • Long term fixing guarantee provided in line with anti-fouling performance from marker specification 	Product relevant information, recommendations or requirements, must be followed – Currently <ul style="list-style-type: none"> • <i>Preservation/Installation Procedure Q-Band & Q-Clip – Rev 2</i> • <i>Q-Band & Q-Clip Datasheet – Rev 3</i> • <i>Strapping Material Datasheet – Rev 3</i>
Shield™ II Protective Frames	Shield™ II	Mechanical Fixing Performance as specified Lifespan: <ul style="list-style-type: none"> • Long term fixing guarantee provided in line with anti-fouling performance from marker specification 	Markers must be installed by competently training personnel. Markers must include a complete sealing bead around all edges unless using a cable tie fixing. Product recommendations or requirements, must be followed – Currently: <ul style="list-style-type: none"> • <i>Preservation/Installation Procedure Shield™ – Rev 2</i> • <i>Shield™ II Datasheet – Rev 2</i>



Pre-Deployment – Fabrication Phase

Products	Brands	Guarantees	Requirements & Limitations
<p>Magnet</p> <p>Silicone based anti-fouling marker system encased within a magnetic Shield™ II frame</p>	<p>Aquasign®</p> <p>Shield™ II</p>	<p>Mechanical Fixing Performance as specified Lifespan:</p> <ul style="list-style-type: none"> • Long term fixing guarantee provided in line with anti-fouling performance from marker specification 	<p>Magnetic assembly will be delivered c/w sacrificial metal sheeting - components must remain suitably packaged until deployment.</p> <p>Rare earth magnets have a “continuous” life span unless damaged losing only 1% magnetism per 100 years.</p> <ul style="list-style-type: none"> • <i>Retrofit Magnet Datasheet – Rev 2</i>



Post-Deployment – Subsea Phase

Products	Brands	Guarantees	Requirements & Limitations
Silicone Antifouling Marker Systems	Aquasign® Solis® Altus™	Antifouling Performance as specified: • 60* years from receipt at fabrication yard	Markers surface must remain blemish free from damage. Product recommendations or requirements, must be followed – Currently <i>Jet Washing Guidance – Rev 2</i>
RTV1 Silicone - Single component	Biohesive®	Mechanical Fixing Performance as specified Lifespan (Cured): • Long term fixing guarantee provided in line with anti-fouling performance from marker specification	Guarantee only applies within specified: • <i>Temp range of -65°C to +300°C</i> • <i>Maximum pressure of 10,125 psi</i>
RTV1 silicone & acrylic tape System	KISS®	Mechanical Fixing Performance as specified Lifespan (Cured): • Long term fixing guarantee provided in line with anti-fouling performance from marker specification	Guarantee only applies within specified: • <i>Temp range -40°C to +110°C</i> • <i>Maximum pressure 10,125psi</i>
Polyurethane - 2 part	Aquahesive™	Mechanical Fixing Performance as specified Lifespan (Cured): • Long term fixing guarantee provided in line with anti-fouling performance from marker specification	Guarantee only applies within specified: • <i>Temp range of -40°C to +150°C</i> • <i>Maximum pressure of 10,125 psi</i>
Cable ties - Nylon® 6		Mechanical Fixing Performance as specified Lifespan: • Long term fixing guarantee provided in line with anti-fouling performance from marker specification	<i>Guarantee only applies within specified:</i> • <i>Temp range of -34°C to +104°C</i> • <i>Maximum pressure of 10,125 psi</i>



Post-Deployment – Subsea Phase

Products	Brands	Guarantees	Requirements & Limitations
Polypropylene Banding Systems	Q-Band®	Mechanical Fixing Performance as specified Lifespan: <ul style="list-style-type: none"> • Long term fixing guarantee provided in line with anti-fouling performance from marker specification 	Guarantee only applies within specified: <ul style="list-style-type: none"> • <i>Temp range of -34°C to +104°C</i> • <i>Maximum pressure of 10,125 psi</i>
Shield™ Protective Frames	Shield™ II	Mechanical Fixing Performance as specified Lifespan: <ul style="list-style-type: none"> • Long term fixing guarantee provided in line with anti-fouling performance from marker specification 	<i>Guarantee only applies within specified:</i> <ul style="list-style-type: none"> • <i>Temp range of -51°C to +132°C</i> • <i>Maximum pressure of 10,125 psi</i>
Magnet Silicone based anti-fouling marker system encased within a magnetic Shield™ II frame	Aquasign® Shield™ II	Mechanical Fixing Performance as specified Lifespan: <ul style="list-style-type: none"> • Long term fixing guarantee provided in line with anti-fouling performance from marker specification 	Magnetic assembly will be delivered c/w sacrificial metal sheeting - components must remain suitably packaged until deployment. Rare earth magnets have a “continuous” life span unless damaged losing only 1% magnetism per 100 years. <ul style="list-style-type: none"> • <i>Retrofit Magnet Datasheet – Rev 2</i>



Aquasign® Performance Guarantee

AQUASIGN are confident that our anti-fouling marker systems and related accessories meet your high quality standards. Our products have been designed and engineered from the ground up to work consistently and reliably globally.

AQUASIGN® Track Record

	3mm Thickness	6mm Thickness	Custom Thickness
Year of introduction	1998	1998	1984

Aquasign® Manufacturing Defect Guarantee

Aquasign® products are guaranteed to be manufactured as specified by AQUASIGN and to be defect free to that specification in manufacture.

You can rely on Aquasign®'s quality, durability and longevity. We guarantee it, as above.

General Limitations of Liability to AQUASIGN Performance and Manufacturing Defect Guarantees

1. AQUASIGN's maximum liability under these Guarantees is expressly limited, at AQUASIGN option, either to (i) the price paid by the customer for the failed, defective or deficient product; or (ii) the cost of rectification or replacement by AQUASIGN of the failed, defective or deficient product or part of that product. AQUASIGN may require samples of the failure, defect or deficiency.
2. Under no circumstances whatsoever shall AQUASIGN be liable to any customer, whether in contract, delict, tort (including negligence), breach of statutory duty, or otherwise, for loss of profit, commercial or economic loss of any kind, or any direct or indirect consequential loss arising as a result of the product supply or any failure, defect or deficiency affecting the product or any of the product, whether or not such loss was foreseen or unforeseen.
3. Claims must be made as soon as any product, defect, deficiency or failure is known or ought reasonably to have been known.
4. The Performance Guarantee is for the benefit of the customer and is not transferable to another party without first obtaining consent from AQUASIGN.
5. The Performance Guarantee shall only apply to an Aquasign® product; which has been properly installed by competently training personnel (relevant training evidence required) and maintained by the customer in accordance with the information, recommendations or requirements provided with the product or by AQUASIGN from time to time; and which has been used properly by the customer and under appropriate conditions in accordance with any relevant information, recommendations or requirements provided with the product or by AQUASIGN from time to time which has been installed and maintained at all times in a location and operational conditions specified by the customer to AQUASIGN at the time of supply of the product.
6. The Performance Guarantee shall not apply to a product which fails or becomes defective as a result of any improper use, wilful damage, negligence or abnormal operational or storage conditions; or any force majeure event or natural disaster.
7. These Guarantees and the rights and obligations under them shall be ruled and determined by Scots Law - AQUASIGN and the customer submit to the exclusive jurisdiction of the Scottish Courts.