

Product Data Sheet

Aquasign® Standard Specification

Aquasign® markers are a guaranteed long-term identification solution suitable for all types of subsea equipment.

Our unique, environmentally friendly approach to anti-fouling ensures that asset markings remain clear and highly-visible throughout the project's design life, assisting ROV and diver operations by promoting safety and reducing subsea time.

The silicone based material is flexible in both application and design, however this datasheet details our standard specification – please contact us for further details of our bespoke capabilities!



Aquasign® Registered Design

Physical Properties

Aquasign® is made from reinforced silicone rubber polymer, which is inherently anti-fouling and contains non-toxic proprietary additives.

Characteristic	Standard Specification
Background Colour	Signal Yellow (Solis® - UV Stable)
Character Colour	Black
Overall Thickness	3mm
Corner Radius	8mm
Font	Helvetica Bold
Character Depth	80 Microns
Density	Neutral Buoyancy

Mechanical Properties

- Adhesion over a wide temperature range (-40°C to +110°C) (Minimum 10°C Work Temperature)
- Excellent resistance to natural ageing (UV, weathering and salt mist)
- Verified to withstand 8.5m/s slam velocity, acceleration +/-1g, vibration forces up to 65g
- Pressure tested to withstand 700 bar (10150 psi)
- Dielectric; will not interfere with Cathodic Protection systems or suffer loss of adhesion

Product Application

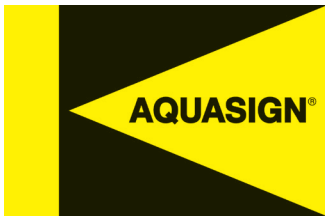
AQUASIGN offer a range of fixing solutions to suit every application;

Standard Specification

- **KISS® Self-Adhesive:** Our patented standard fixing specification, offering a simple PEEL, STICK & SEAL installation method. Bolt holes can also be incorporated on request.

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Alternative Options

- **Shield™ II:** Marker is supplied encased in a polycarbonate frame for additional protection. Supplied with bolt holes, cable ties or a self-adhesive backing subject to the application.
- **Strapped:** Marker is pre-bonded to PVC strapping, suitable for large tubular applications
- **Retrofit:** Magnet, Spring Clip & Adhesive solutions designed for diver or ROV installation.

Storage and Handling

The shelf-life of our standard Aquasign-KISS® markers is 24 months, however this can be extended if necessary. It is recommended that our KISS® markers and Biohesive® 225 sealant are stored in a temperature controlled environment - Minimum: 4°C / Maximum: 30°C (0-95% relative humidity).

For best protection, ensure the Aquasign® markers are kept clean and avoid placing heavy or sharp objects on the marker's surface as this must remain blemish / damage free.

Health Information

Aquasign® markers are classified as non-hazardous for both shipping and use.

Performance Guarantee

Aquasign® markers & fixing accessories are guaranteed for 60 years, suitable for longterm subsea performance - see our Performance Guarantee for more information.

Tolerances

Aquasign® is a flexible product therefore has a dimensional tolerance of -2%. This is due to the natural shrinkage which occurs post production.

Features and Benefits

Unique anti-fouling technology, long-term visibility, environmentally friendly, proven track record, technically qualified, bespoke designed, cost effective & RFID compatible.

Availability

Aquasign® markers are made to order with a lead time of as little as 2-5 working days, depending on the fixing specification selected and capacity. Standard identification marker designs are available from ex-stock, please contact us for further information.

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