



Confirmation of Product Type Approval

Company Name: CLICK BOND, INC

Address: 2151 LOCKHEED WAY NV 89706 United States

Product: Fastener, Bonded

Model(s): Studs, Stand-Offs, Cable Tie-Mounts, Insulation Pin, Flush Deck Ring, Fixed Ring, Stauff Mount Bases

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	21-2171467-PDA	08-OCT-2021	07-OCT-2026
Manufacturing Assessment (MA)	20-4178587	23-APR-2020	12-MAY-2025
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Marine & Offshore Application - for Mechanical Attachment Point with Adhesive

Description

Adhesively Bonded Studs, Standoffs, Insulation Pins can be used for Securing Panels, Electrical Cable Trays, Electrical Cable, Electrical Cable Boxes, Junction Boxes, Light Duty Fixtures, Light Hangers, Pipe and Tube Clamps, Furnishing Support Foundation, Supporting Filing Cabinets, Sleeping Berth, Tables, Chairs, Water Filtration Systems, Security Camera Equipment Non-Critical items, Insulation, etc. to STEEL, ALUMINUM, CRES, AND COMPOSITE SUBSTRATES

More descriptions please see Appendix of the attached ABS review letter

Ratings

See attached Click Bond Adhesive Bonding Process Specification pdf CBPS-244 4FEB21, Rev 7, Page 2, Tables 1 & 2 for Design Service Loads

for bonding to Steel, Aluminum, CRES, and Composite substrates

Maximum Service Temperature -40°F to 140°F (-40°C to 60°C)

Service Restrictions

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

i) Click Bond Fasteners manufactured from Non-Anodized Aluminum and Carbon Steel are not suitable

for installation.

ii) When used for cables not laid on top of horizontal cable trays or similar, suitable metal clips or straps are to be added at regular intervals not exceeding 2 m (6.5 ft) in order to prevent the release of cables during a fire. This requirement, however, needs not apply to one or up to a few small diameter cables connecting to lights, alarm transducers, etc.

iii) Click Bond fasteners are not recommended for use in the following applications:

a) Applications on thin, unsupported substrate. For fastener with base diameters of greater than 1.25 inches (3.2 cm), the substrate thickness must be greater than 0.125 inches (0.32 cm).

b) Plastic cable straps are not to be used for cable support on High Speed Craft but may be used with a combination of metallic cable straps for retaining cables.

iv) Special attention should be given if installed on craft classed to ABS 2021 High Speed Naval Craft Rules where the Naval Technical Authority (NTA) provides requirements for shock. See 4-8-4/5.3.1 of the HSNR

Comments

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

i) Material to be stored, handled and used in accordance with manufacturer's recommendation.

ii) Particular attention needs to be given to surface preparation and cleanliness of the surface to be bonded.

iii) Bonding process to be followed per manufacturer's installation instructions (CBPS-244 Process Specification).

Follow adhesive bonding instructions to steel, aluminum, CRES, and composite substrates per attached Click Bond Adhesive Bonding Process Specification CBPS-244 4FEB21, Rev 7.

iv) CB200 and CB420e REACH Compliant adhesives storage instructions and expiration dates are to be clearly marked on the package.

When used on ABS Classed Vessels:

v) Details of Structural Adhesive are to be specified on the Material Data Sheet and on the Construction Plans submitted.

vi) Specific Joints, extent of use, and substrates are to be reviewed on a case by case basis

Notes, Drawings and Documentation

Drawing No. Correspondence, application form, Revision: -, Pages: 4

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 07/Oct/2026 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

2021 ABS Rules for Conditions of Classification: 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-8-4/21.9.1, 21.9.3(b)
2021 ABS Rules for Conditions of Classification – Offshore Units and Structures: 1-1-4/9.7, 1-1-A2, 1-1-A3
2021 ABS Rules for Building and Classing High-Speed Craft: 1-1-4/11.9, 1-1-A2, 1-1-A3, 4-6-3/5.9.1 (c), 5.9.1 (f)
2021 ABS Rules for High Speed Naval Craft: 1-1-4/11.9, 1-1-A2, 1-1-A3, 4-8-3/5.3.1
2021 ABS Rules for Building and Classing Steel Vessel Rules for Service on Rivers & Intracoastal Waterways: 4-5-3/5.9.1(c), 5.9.1(f)
2021 ABS Rules for Building and Classing Steel Barges: 4-1-3/1
2021 ABS Guides for Building and Classing Yachts: 4-1-1/3.3, 4-1-1/3.3, 4-6-3/5.1.4

International Standards

NA

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in blue ink, appearing to read 'James J. White'.

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 16-Nov-2021 3:38

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does

not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.