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DATE: January 16, 2018

TO: Our Valued Customers  
 SUBJECT: RoHS and Reach Standards

We hereby certify that all of our laminate products listed below are fully compliant with the current RoHS and REACH Standards as revised January 16<sup>th</sup>, 2018 per the included list.

- Grades X, XX, and XXX Paper Phenolic
- Grades C and CE Canvas Phenolic
- Grades L and LE Linen Phenolic
- Grade G-3 Glass Phenolic
- Grades G-10, G-11, FR4 and FR5 Glass Epoxy
- Grade G-9 Glass Melamine
- Grade G-7 Glass Silicone
- Grade N-1 Nylon Phenolic
- GPO-1, GPO-2, GPO-3 Glass Polyester

Furthermore, we hereby confirm that our products mentioned above do not contain or do not contain more than 0.1% of any substance listed (or more than 0.01% for Cadmium) as “Substances of Very High Concern” (SVHC – as of 01/16/2018).

Based on the information received from our raw material suppliers, and to the best of our knowledge, we can certify that our product, delivered to your company, complies with the Commission Delegated Directive (EU) 2015/863 of 31 March 2015, amending Annex II to Directive 2011/65/EU, and it is free of Mercury, Cadmium, Lead, Hexavalent Chromium, Polybrominated biphenyls and Polybrominated diphenyls ethers, Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP).

ADDED TO REACH LIST BELOW (Jan. 16th, 2018):

- Benz[a]anthracene,
- Cadmium carbonate, Cadmium hydroxide, Cadmium nitrate,
- ChryseneDicyclohexyl phthalate,
- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene (“Dechlorane Plus”™),
- Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)

Assessment on Halogenated Substances
Industrial Specifications: <ul style="list-style-type: none"> <li>• The use of halogenated substances in electronic and electrical products is not restricted by any regulation, but could be restricted by certain industries and customers for specific applications;</li> <li>• IEC 61249-2-21, Materials for printed circuit boards and other interconnecting structures - Part 2-21:Reinforced base materials, clad and unclad - Non-halogenated epoxide woven E-glass reinforced laminated sheets of defined flammability (vertical burning test), copper-clad;</li> <li>• JOINT JEDEC/ECA STANDARD JS709A, Defining “Low-Halogen” Electronic Products (Removal of BFR/CFR/PVC). Substances U</li> </ul>

If any further information is required, please do not hesitate to contact us.

Yours very truly,  
 ATLAS FIBRE COMPANY

Richard Welch  
 President