



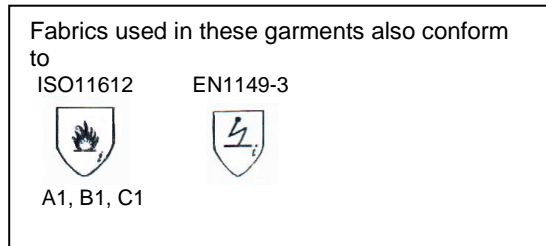
USER INFORMATION

Issue 4 Date: 24.05.2021

TWO LAYER, FLAME RETARDANT COVERALLS STYLE ARC1070, ARC1071 and ARC1032, CONFORMING TO EN 61482-2:2009, EN 61482-1-2 CLASS 2 AND MADE FROM WOVEN FABRICS OF NOMEX®/ META ARAMID/ ANTISTATIC FIBRES, or FR VISCOSE/ META ARAMID/PA/ ANTISTATIC FIBRES, GIVING PROTECTION AGAINST THE THERMAL EFFECTS OF AN ELECTRIC ARC.

TECHNICAL:

These garments have been designed to give a specified level of protection against the thermal effects of an electric arc. The combination of fabrics used in this garment have been tested in accordance with EN 61482-1-2 Class 2 (7kA) which exposes the garments to the effects of a known electric arc in a confined space and measures the amount of heat which passes through the fabric/garment and assesses the degree of degradation of the fabric/garment after exposure to the arc. To meet the standard the fabric is also tested for flame spread and it's physical properties such as dimensional change, tear strength, and tensile strength. The garments are also examined for there compliance with the design requirements of standard EN 61482-2:2009.



WARNING:

The garments should not be expected to provide protection against impacts, or against radiation, or against biological hazards. Additional protective clothing and equipment is needed to protect the head, hands, and feet. No protective clothing can offer full protection against injury. Deviations from the parameters in IEC61482-2 may result in more severe conditions.

All garments must be worn closed/fastened.

Choice of garments, garment size, adjustment of clothing and choice of garments commensurate with perceived risk.

The user should ensure that he/she can rotate the torso, move arms up and down and from side to side, bend at the waist and squat, all without undue tightness in the garment. Nor should there be excessive looseness/volume of the fabric which could become caught by external hazards. A properly fitted garment(s) should give no significant ergonomic penalties.

No shirts, undergarments or under layers, which melt under arc exposure should be worn under or with garments designed to protect against the thermal effects of an electric arc., These include garments made of Polyamide (Nylon), polyester or acrylic filaments or fibres, or other thermoplastic filaments or fibres,

Warning: The air trapped between layers of material plays an important part in providing heat insulation. The protection is reduced in areas which are tight fitting or compressed by belt or straps. Coveralls or jacket and trousers can only provide protection if junctions between garments or with other garments at the neck, wrists, and ankles adequate.

Environmental conditions and risks at the working site shall be regarded. IT IS THE END USER'S RESPONSIBILITY TO ASSESS THE PERCEIVED DEGREE OF RISK BY CARRYING OUT A RISK ASSESSMENT IN ORDER TO ASCERTAIN AND CALCULATE THE ARC INCIDENT ENERGY IN THE EVENT OF AN ELECTRICAL ARC HAZARD AND TO SELECT GARMENT STYLES AND/OR COMBINATIONS OF GARMENTS TO GIVE AN ISO61482-1-2 RATING COMENSURATE WITH THAT RISK. THESE RISK ASSESSMENTS ARE SPECIFIC FOR EACH ELECTRICAL INSTALLATION AND WORKING CONDITIONS.

GARMENT CARE:

Stored garments should be kept in a dry place away from heat and direct sunlight. Dyes used to dye the fabrics used in these garments may fade or show a change of shade with prolonged exposure to light. This does not affect the flame retardant properties of the garment. New and used garments should be thoroughly inspected, especially after washing, to ensure no damage is present. Any damaged garment should be withdrawn from service immediately.

Washing and drying:

Wash all flame retardant garments separately from other types of garments to avoid the transfer of flammable fibres or other materials. Do not wash light and dark coloured articles together.

Hand or machine wash in water not exceeding 60°C using a good proprietary washing powder or detergent that does not contain optical whiteners or high levels of oxydising agents. Best results are given by using a liquid detergent with near neutral pH and water with minimum alkaline content.

Warning: Do not use pure soap powders as these may affect the flame retardant properties of the garment. The machine cycle should not exceed 1 hour and do not exceed 2/3 of the machine capacity. Ensure that the rinse cycle is sufficient to remove all residual soap/detergents. DO NOT USE BLEACH, PEROXIDE, OR CAUSTIC WASHING AGENTS.

Line dry, preferably not in direct sunlight, hang inside out to avoid fading of the outer surface. **Tumble dry on low heat only.** If required, iron with a medium iron. These garments can be professionally dry cleaned.



REPAIR AND DISPOSAL:

Do not repair this garment using fabrics thread other than those of the same construction and flame retardant properties as used in the garment. The garment may be disposed of using normal methods for textile garments, there are no hazards from disposal by incineration or mechanical disruption.

WARNING: Tears should not be repaired by the user. Any repair made using a flammable (not flameproof) thread and or heat reactivatable fabric that is likely to melt would be very dangerous in the event of exposure to flame. **Consult the manufacturer before attempting repair.**

Notified Body

Notified Body for CE marking:

BTTG® Notified Body 0338, BTTG, Manchester, M17 1EH, performed the EC type-examination (Article 10), which is now held by Shirley®, Notified Body 2895, Port Tunnel Business Park, Office 13 Unit 21, Dublin 17, ROI.

The items are subject to the conformity assessment procedure Module D under surveillance of Shirley®, Notified Body 2895, Port Tunnel Business Park, Office 13 Unit 21, Dublin 17, ROI.

Approved Body for UKCA marking:

BTTG® Approved Body 0338, BTTG, Manchester, M17 1EH, performed the type-examination (Article 10) for UKCA approval.

The items are subject to the conformity assessment procedure Module D under surveillance of BTTG® Approved Body 0338, Manchester, M17 1EH.

Further information on this garment can be obtained from Dale Techniche Ltd. at the location shown at the top of this page. EU Certificates of Conformity can be accessed by logging on to www.daledoc.co.uk.